



1/57

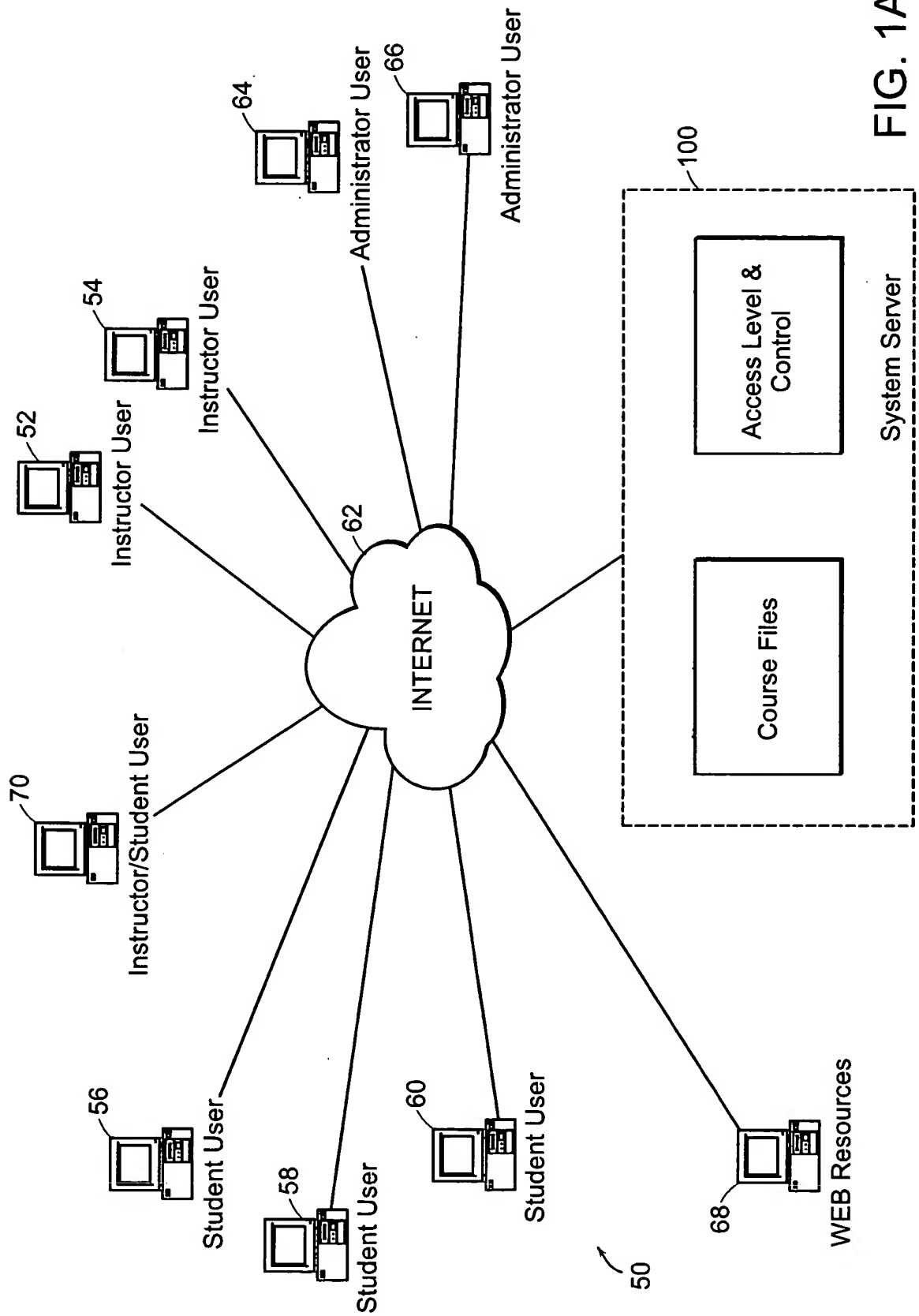


FIG. 1A

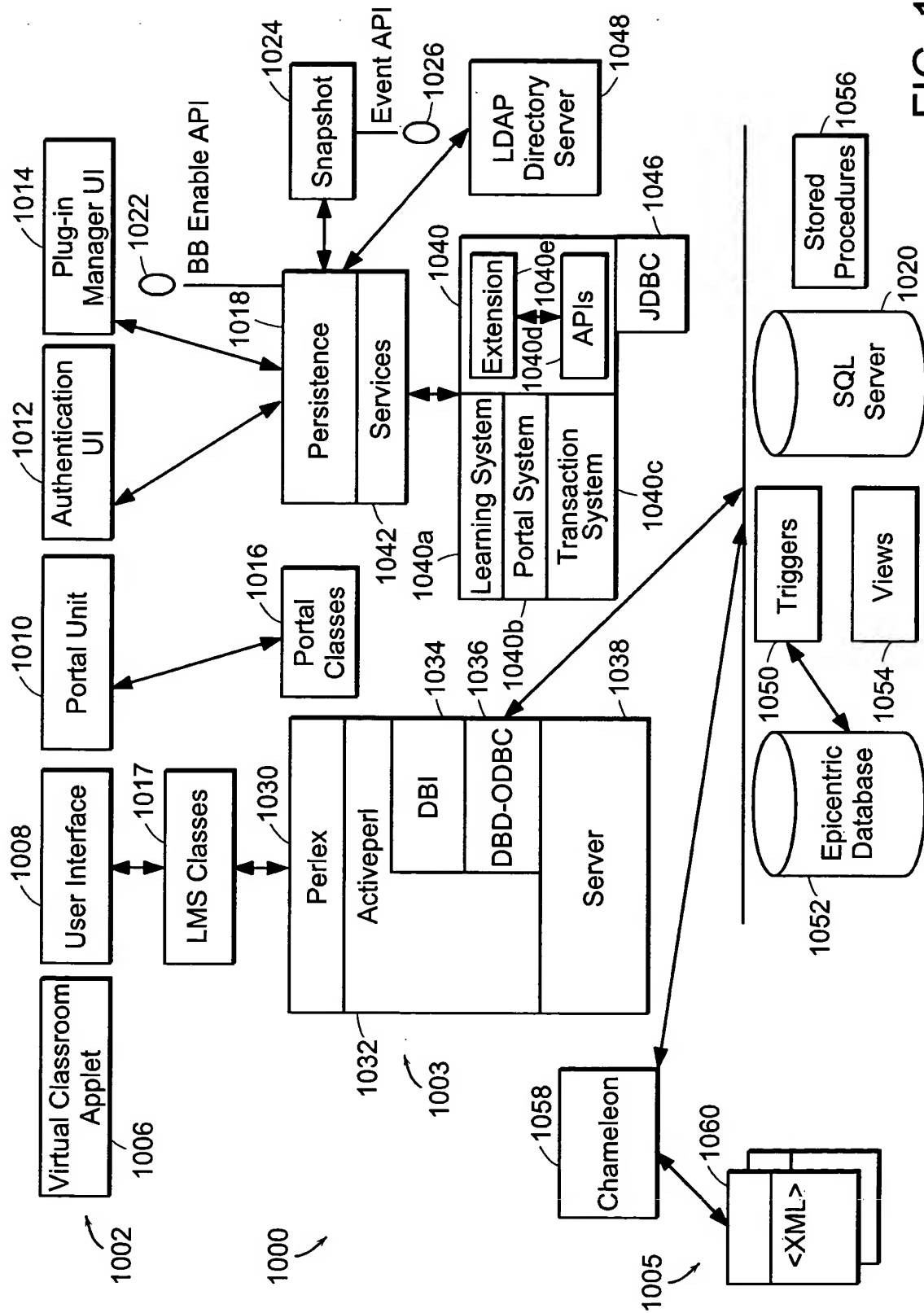


FIG. 1B

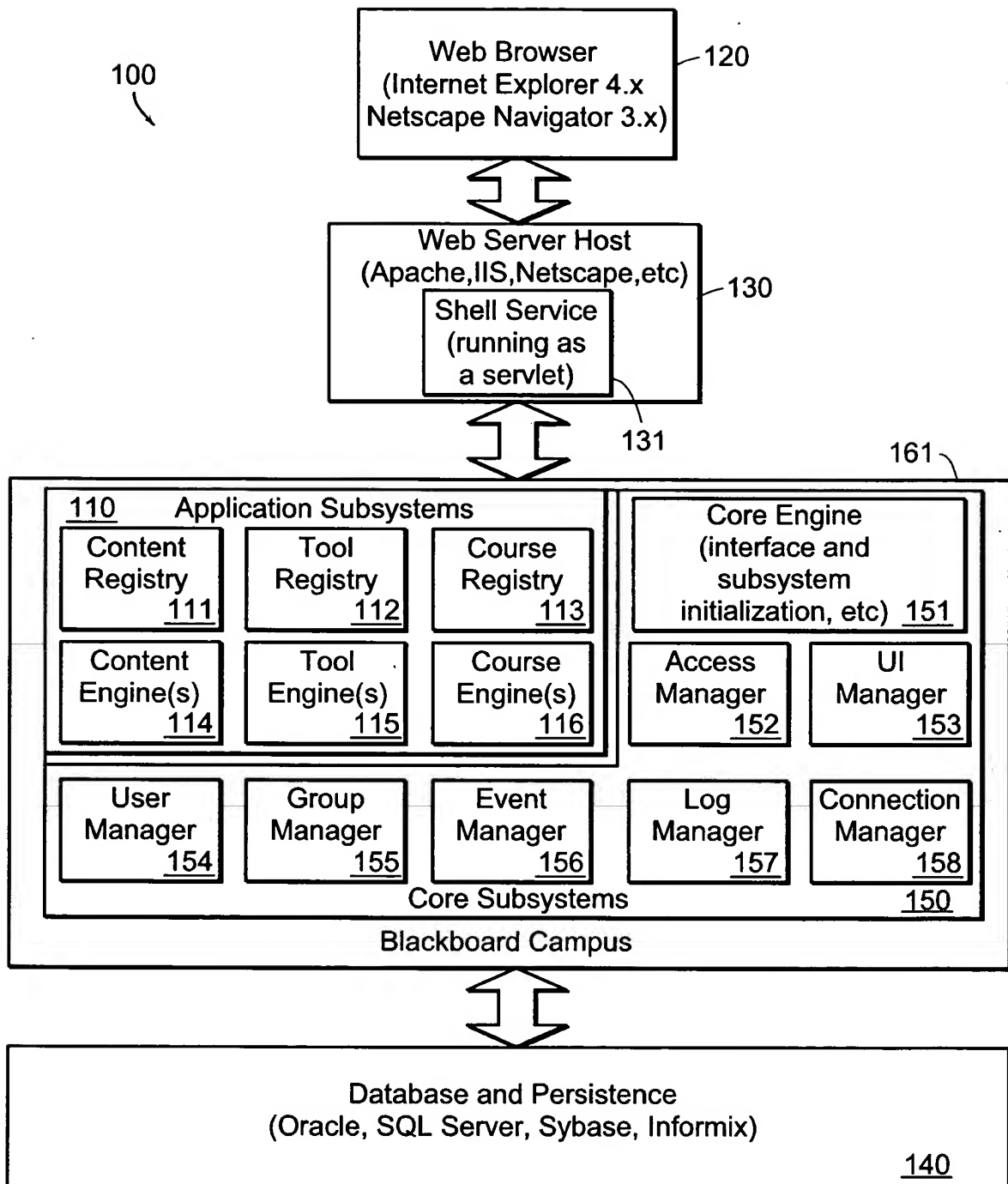
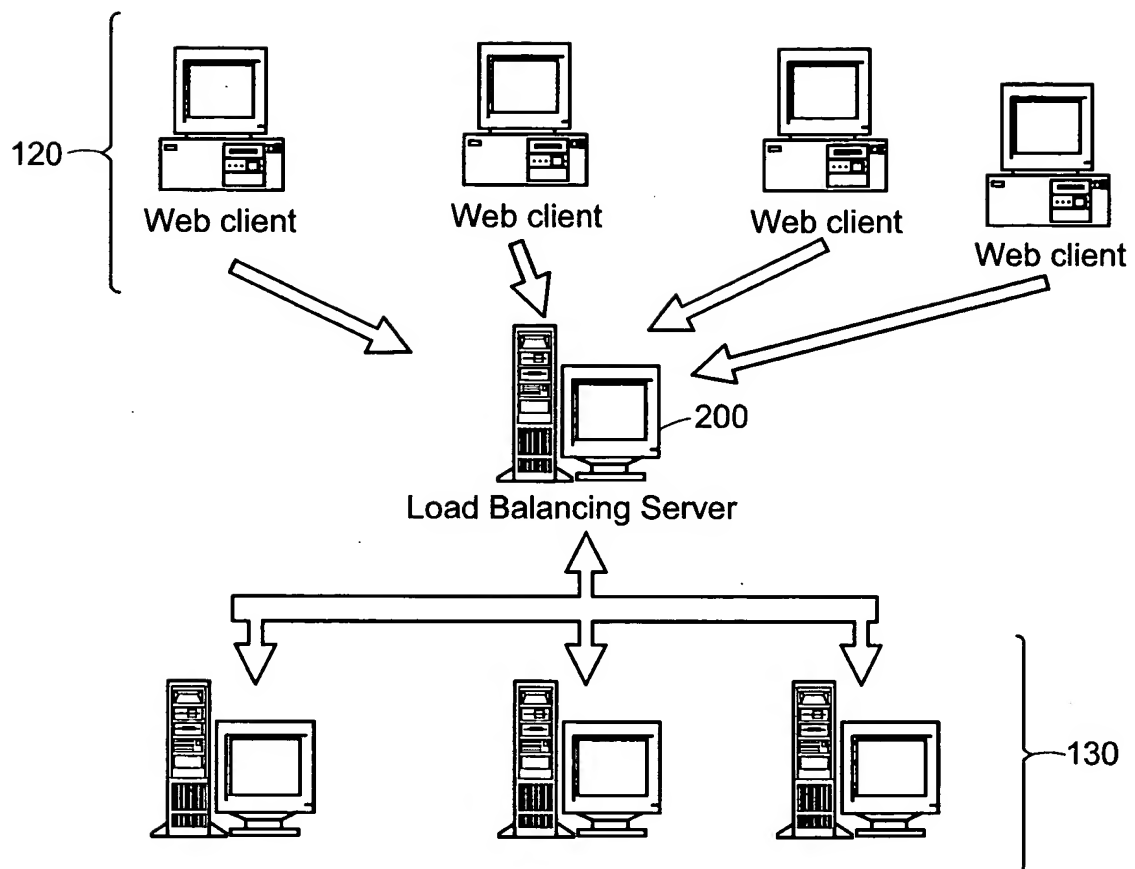
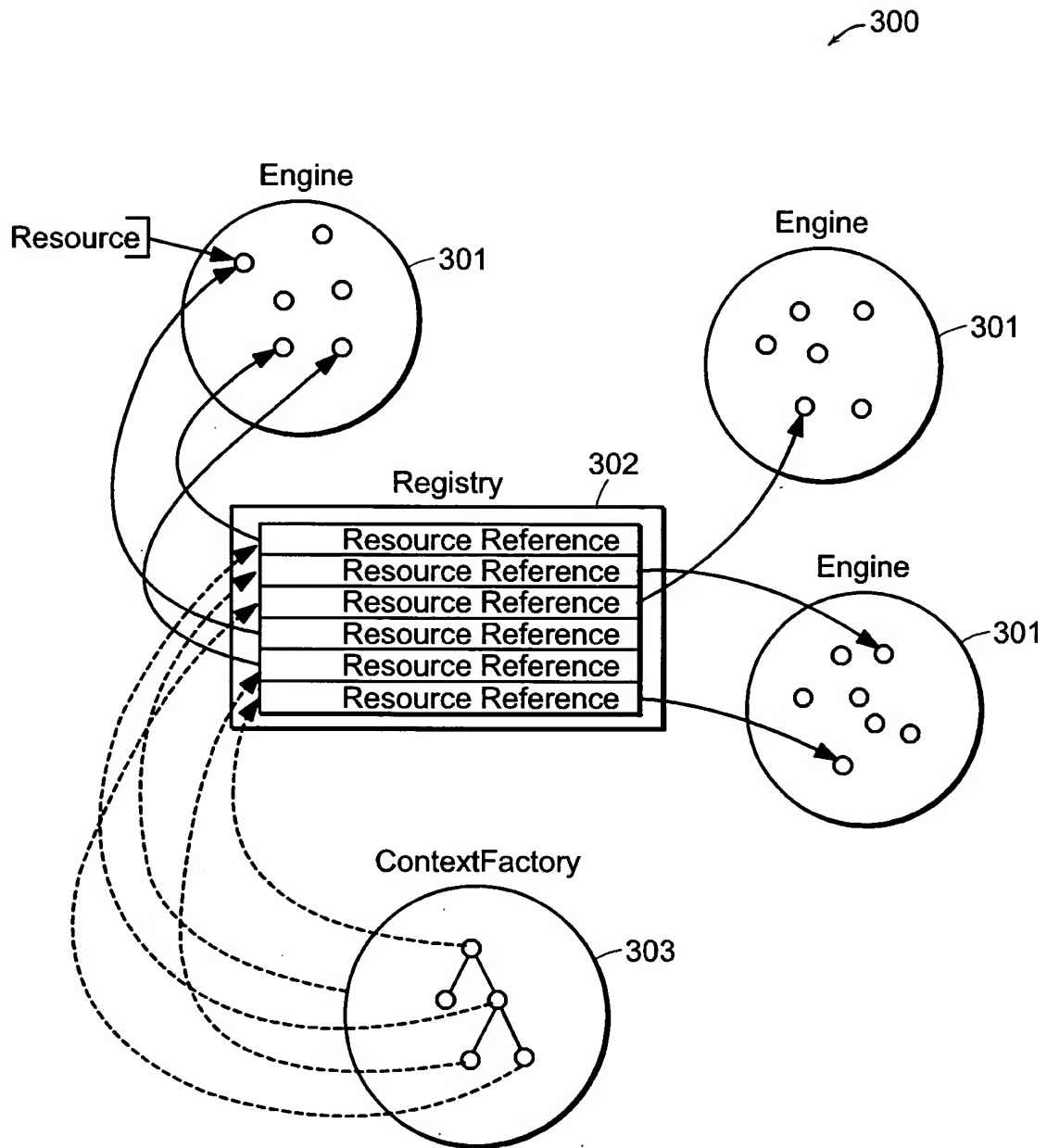


FIG. 1C



*Machine Scalability Using Load Balancing*

**FIG. 2**

*Engine/Registry Model***FIG. 3**

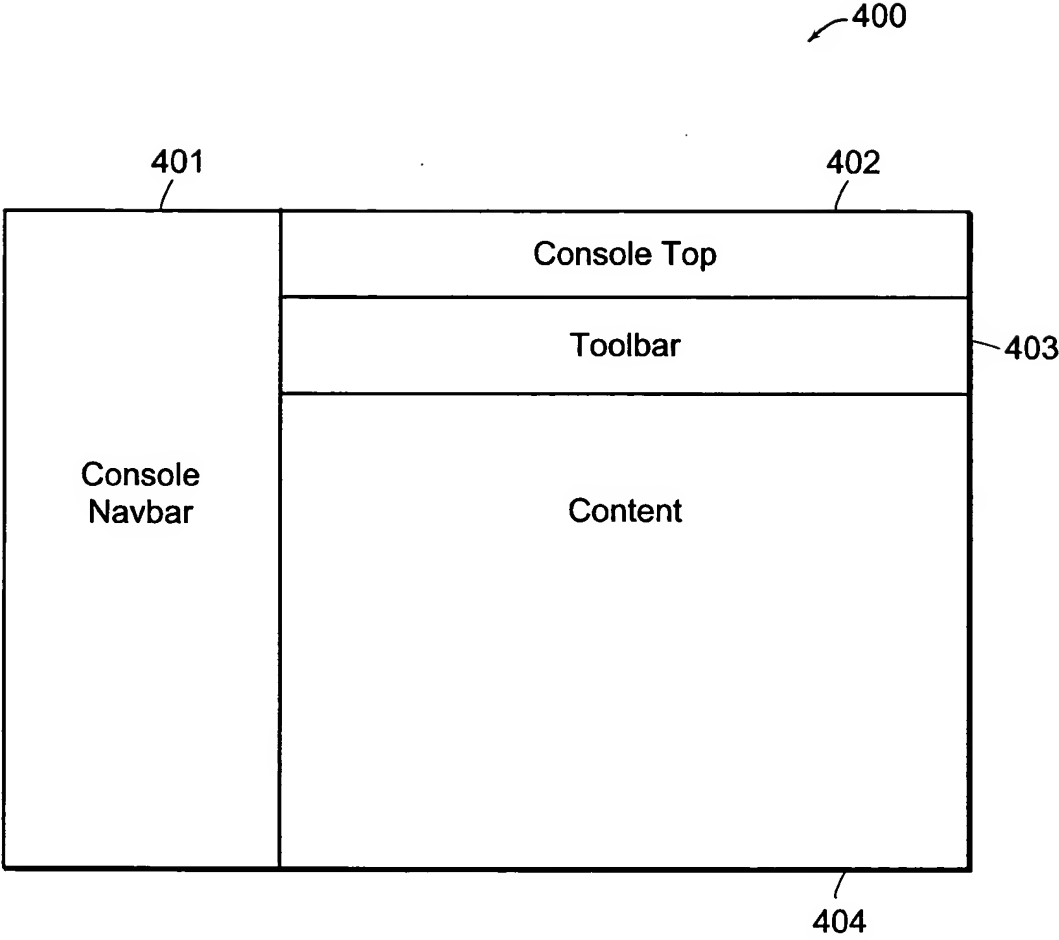


FIG. 4

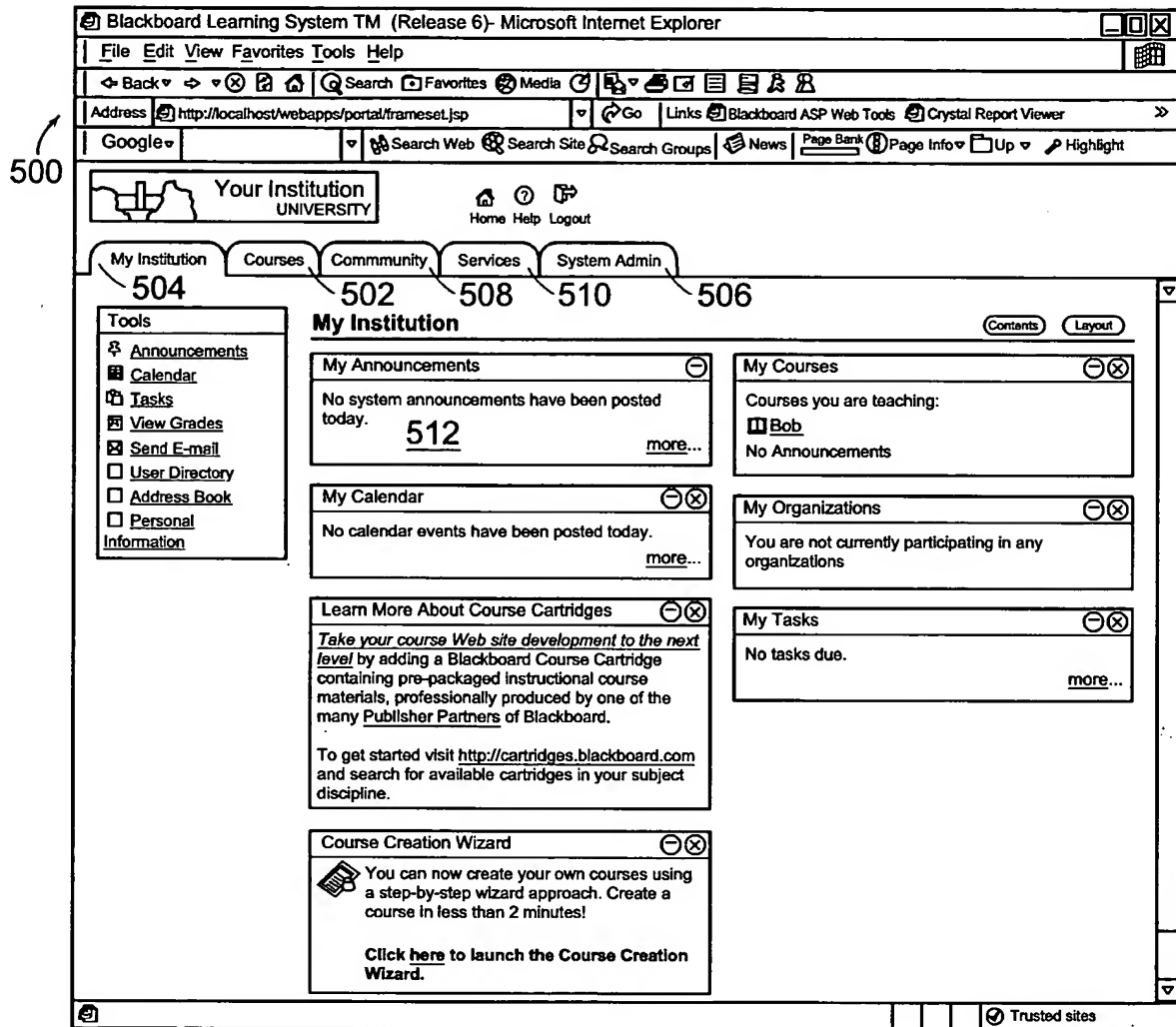


FIG. 5

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss

Address http://georgetown1/Blackout\_v30r/bb\_admin/frames/frame\_enterprise\_courses.html

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services Academic Web Resources

SEARCH THE WEB

Search for a course:

GO

advanced search

OFF-CAMPUS LEARNING

**Kaplan**  
Help prepare for final exams.

**Tutornet**  
Need a tutor, use the virtual chat 24 hour Tutornet service.

**eHow**  
Find out how to do just about anything

**Blackboard.com**  
Find courses you can take online

SEARCH THE WEB

Search the Web

GO

advanced search

Course List:

Courses you are teaching: 602

**Introduction to Music**

Course ID: MUSIC101  
Department: Art & Music  
Instructor(s): Dr.Lou Pugliese  
Online Material: Yes

604

**American History**

Course ID: AHIST101  
Department: Social Science  
Instructor(s): Dr.Chasen  
Online Material: Yes

606

Courses in which you are enrolled:

**Accounting 101**

Course ID: ACCT101  
Section: 2  
Department: Business  
Instructor(s): Alan Stewart  
Online Material: No

608

**Space and Beyond**

Course ID: SPACE301  
Section: 1  
Department: Music  
Instructor(s): Laurie Wagnon  
Online Material: Yes

610

**Algebra 2**

Course ID: ALGEBRA2  
Section: 2

Course Catalog: 612

- Agricultural Sciences & Natural Resources
- Architecture
- Art & Sciences
- Business Administration
- Division of Continuing Studies
- Engineering & Technology
- Fine & Performing Arts
- Graduate Studies
- Great Plains Veterinary Educational Center
- Human Resources & Family Sciences
- Journalism & Mass Communications
- Law
- Military & Naval Sciences
- Nebraska College of Technical Agriculture - Curtis
- Public Affairs & Community Service
- Special Projects
- Teachers College

614

Browse Course Catalog

600

Local intranet

FIG. 6



9/57

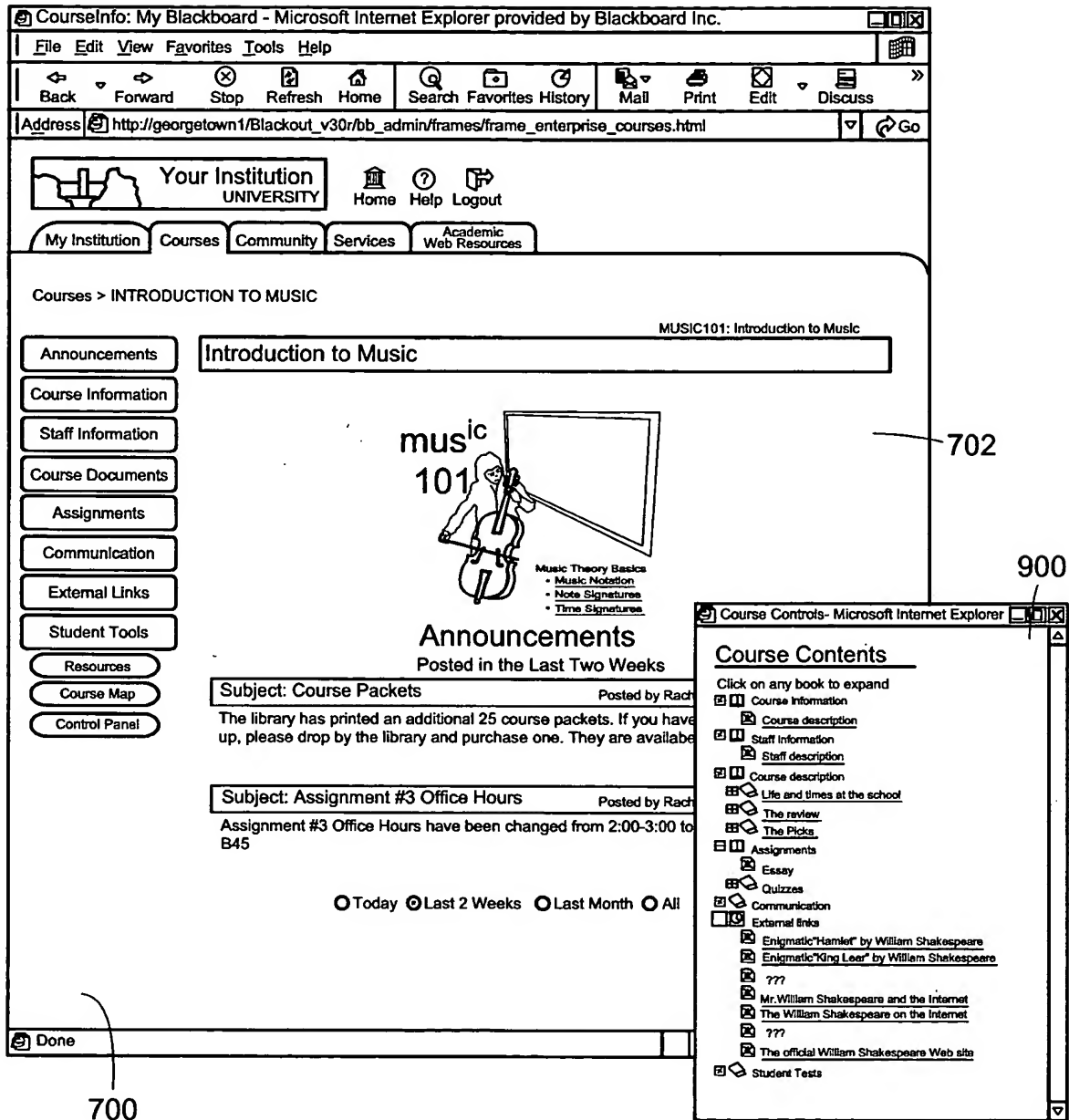


FIG. 7

10/57

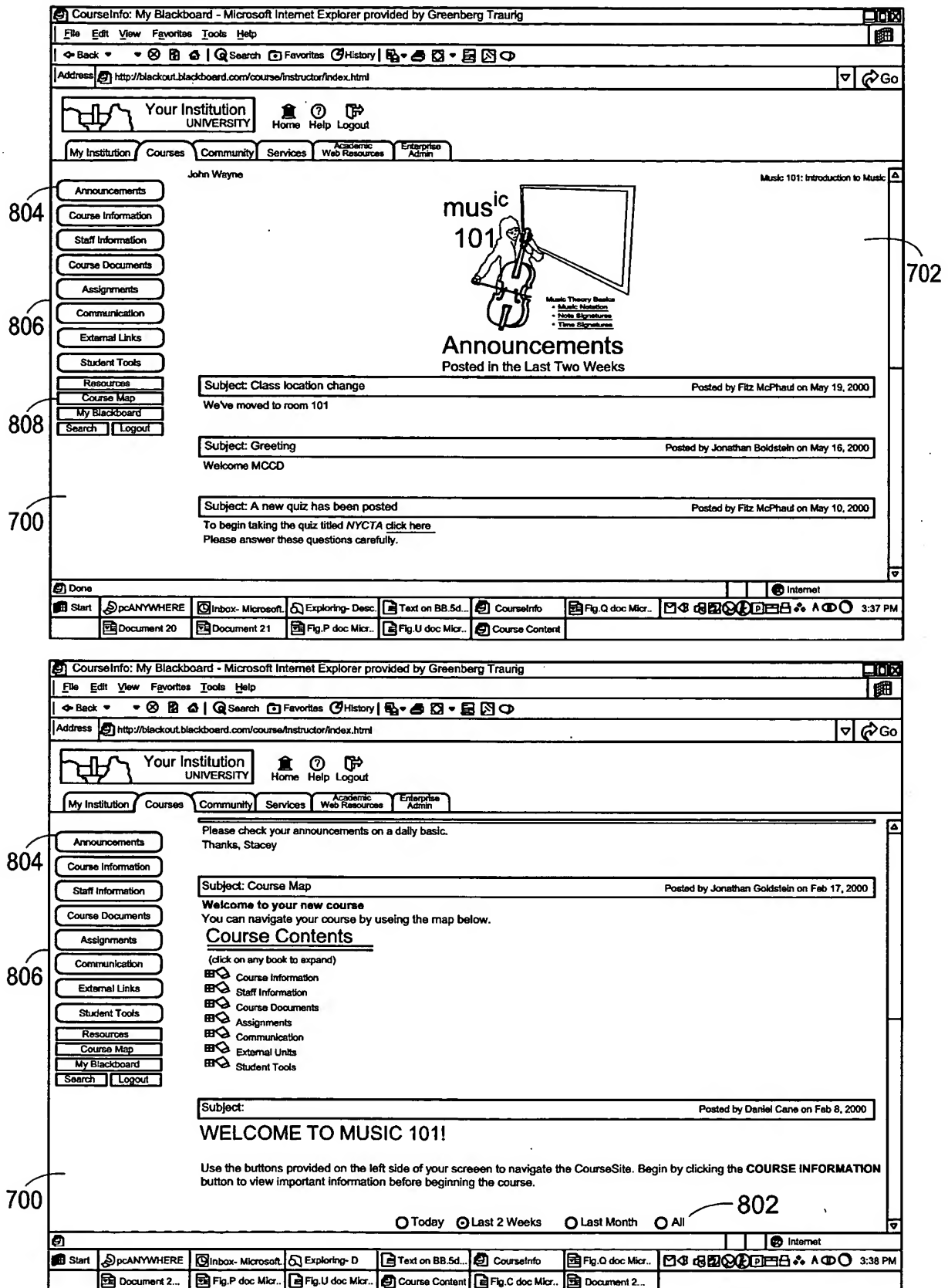


FIG. 8



12/57

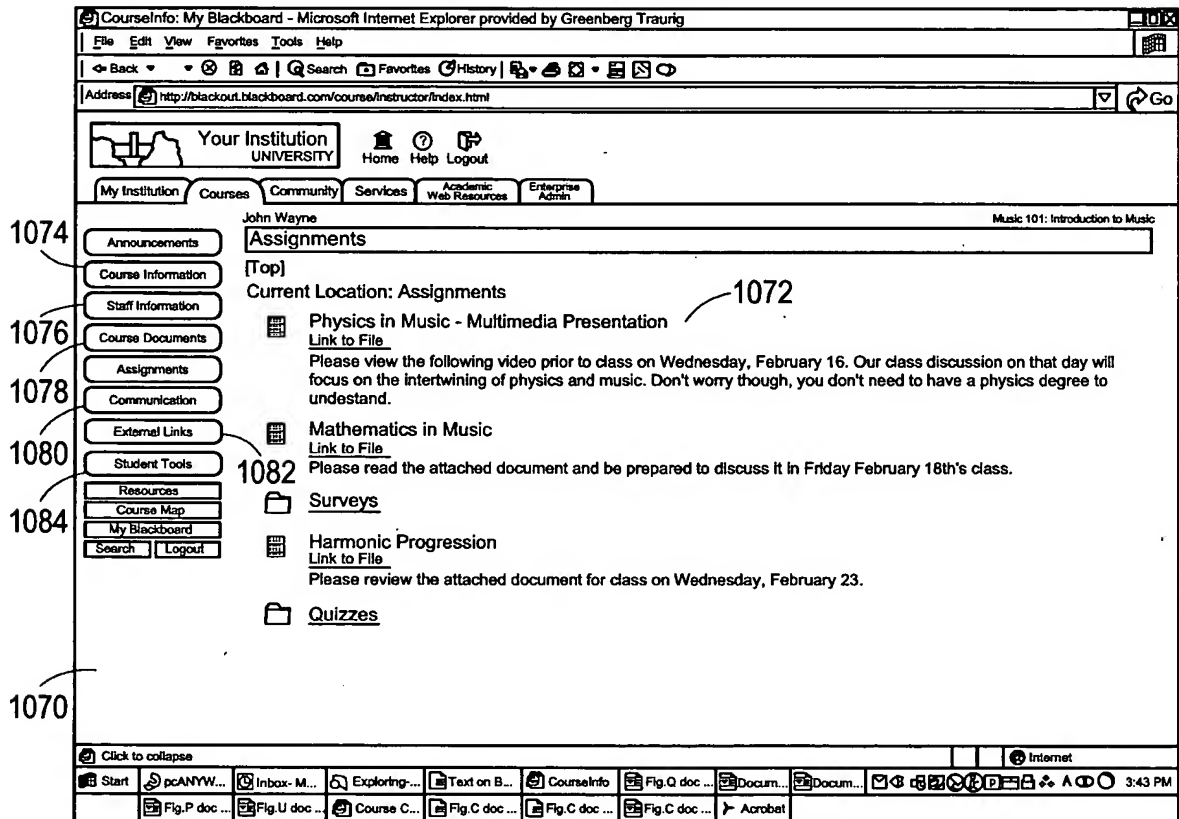


FIG. 10

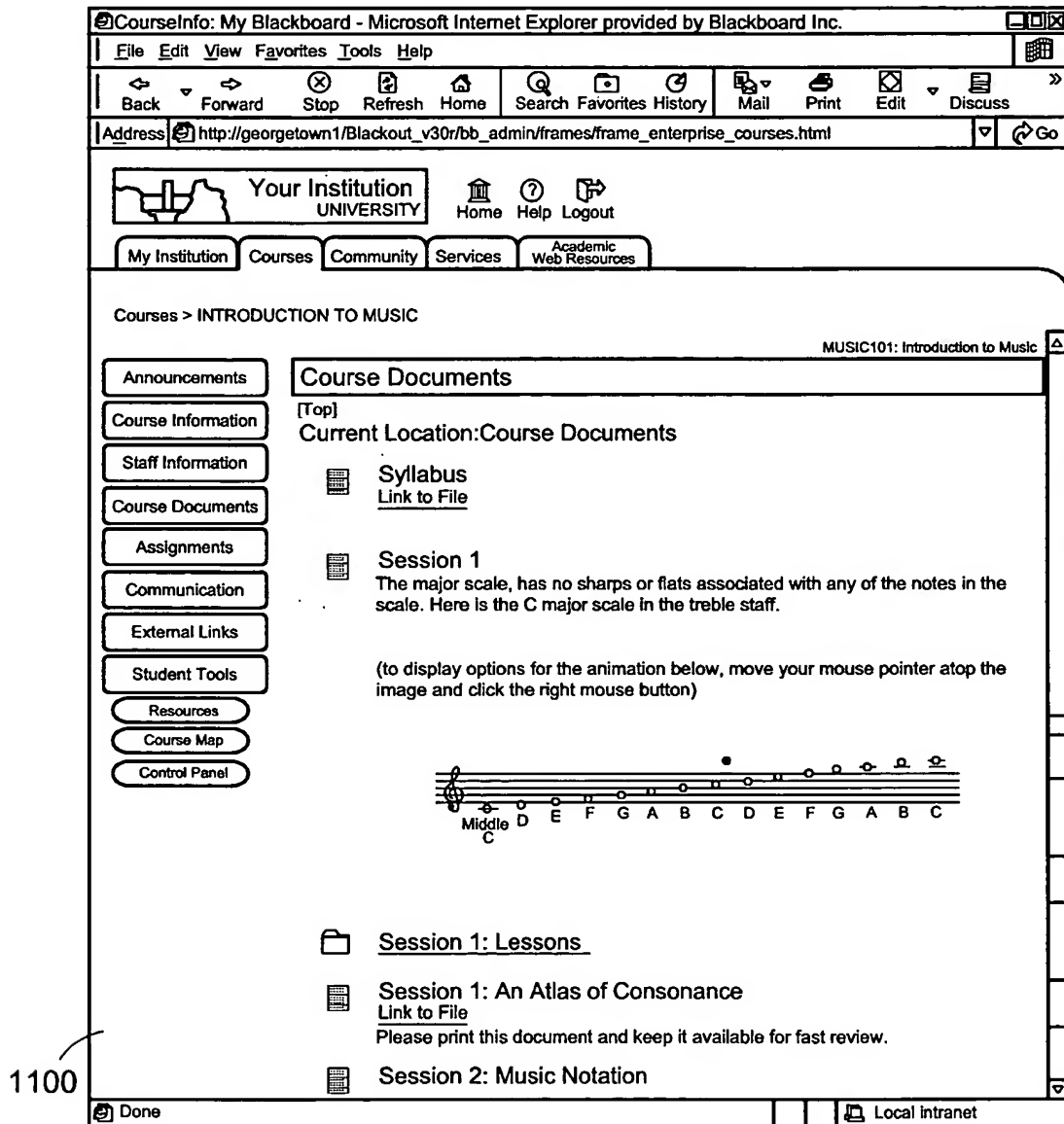
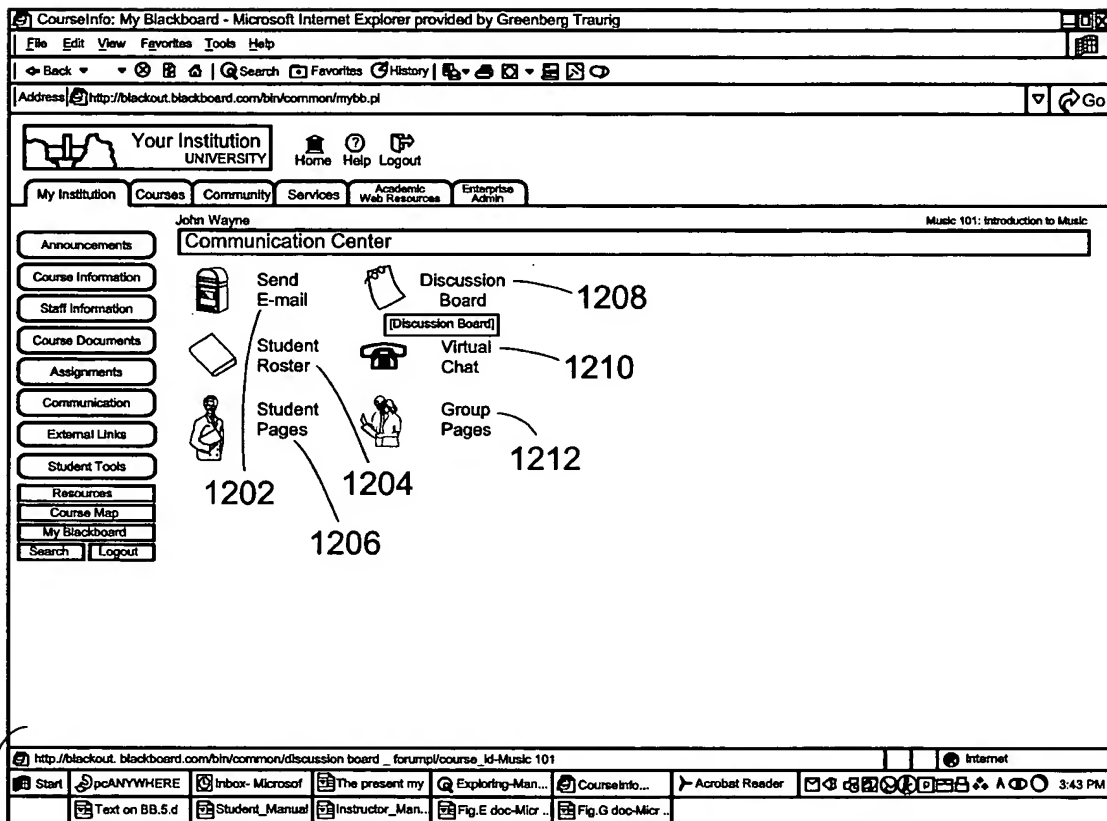
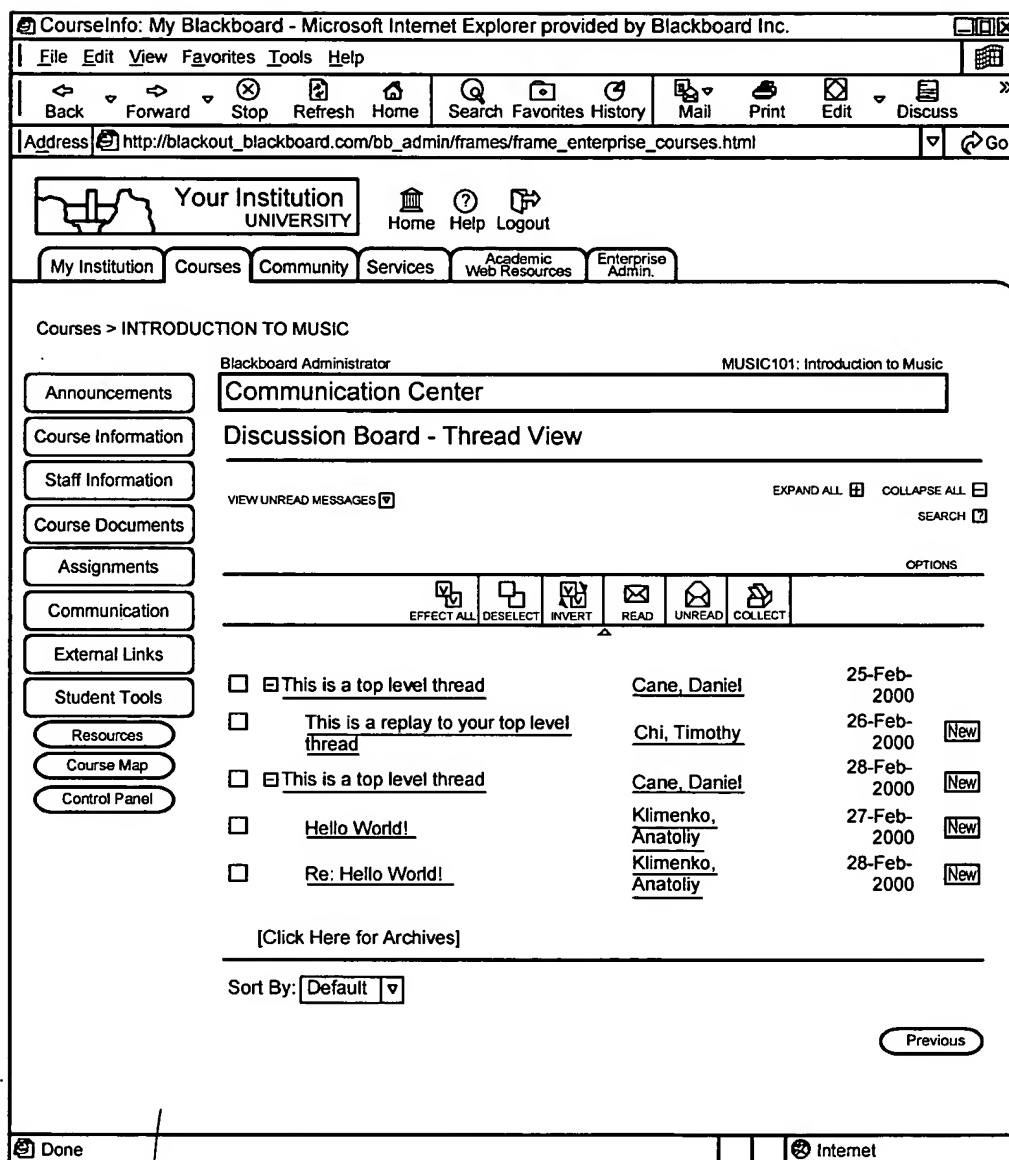


FIG. 11



1200

FIG. 12



1300

FIG. 13

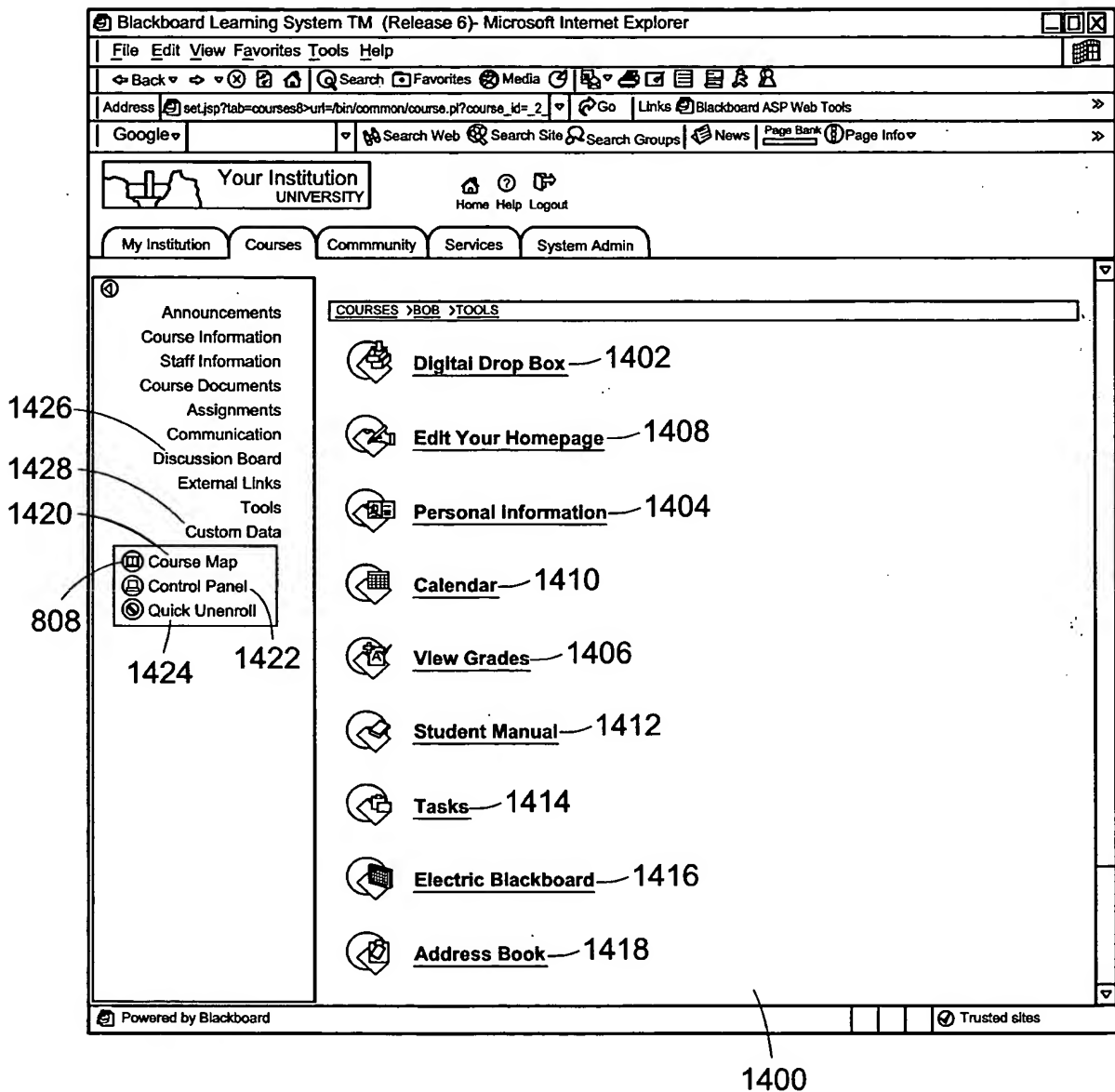


FIG. 14



Student Drop Box

Use your student drop box to submit files to your instructor. Also, your instructor can return your files to you with comments attached.



Current Files in your DropBox

1508

Note: If you want to save a file, right click on the Link Name and choose Save Link As

<u>File Name</u>	<u>Link Name</u>	<u>File Size</u>	<u>Status</u>
none	none	none	none

[Remove Files] 1510



Add File to DropBox

Click the *Browse* button to select the file to attach from your computer.  
Be sure to specify a linkname for your file,

1502

1504

File to Upload:

Name of Link to File:

(Example: *Homework One, Assignment One*)

Browse...

1506

Back

1500

FIG. 15

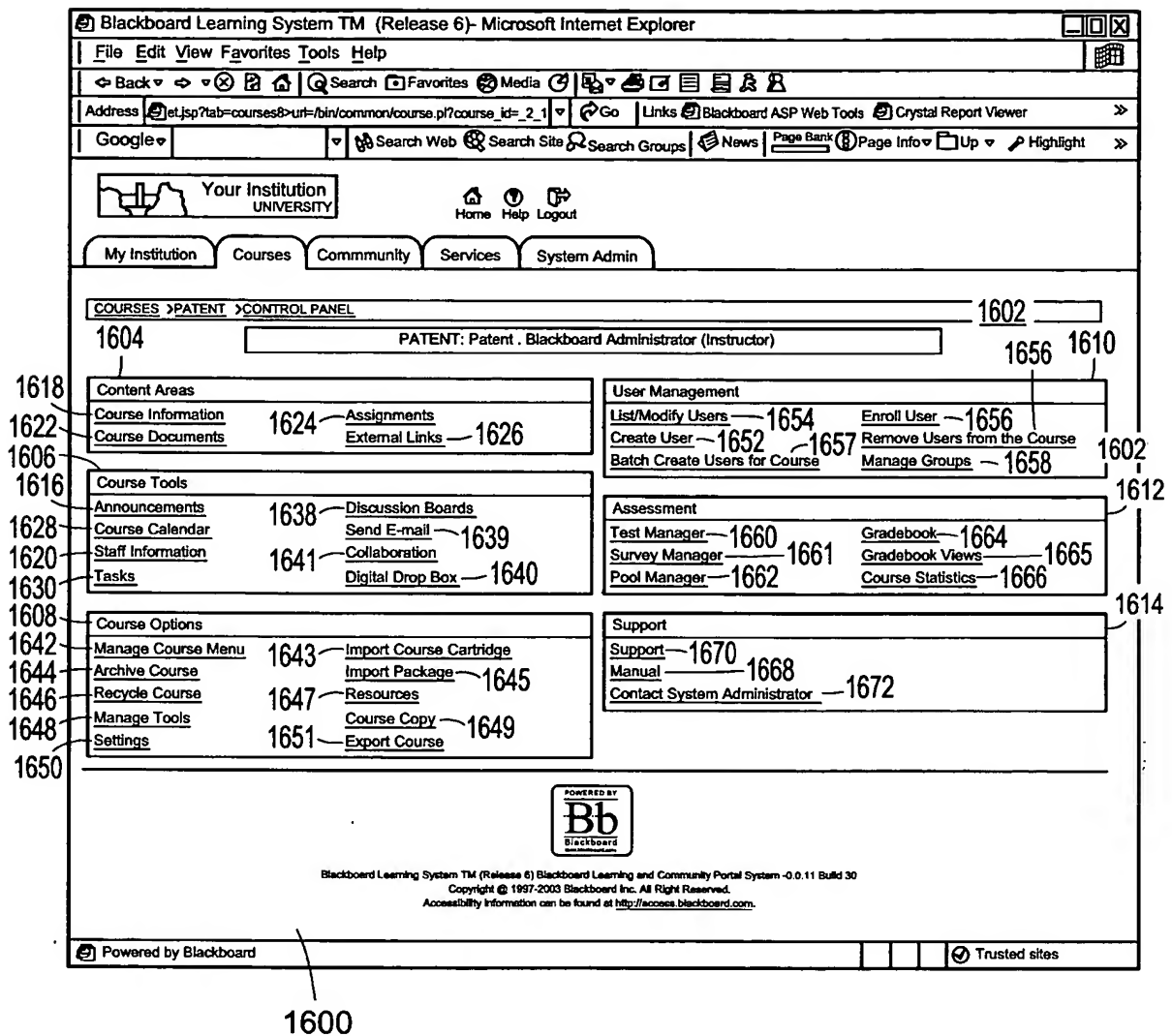


FIG. 16

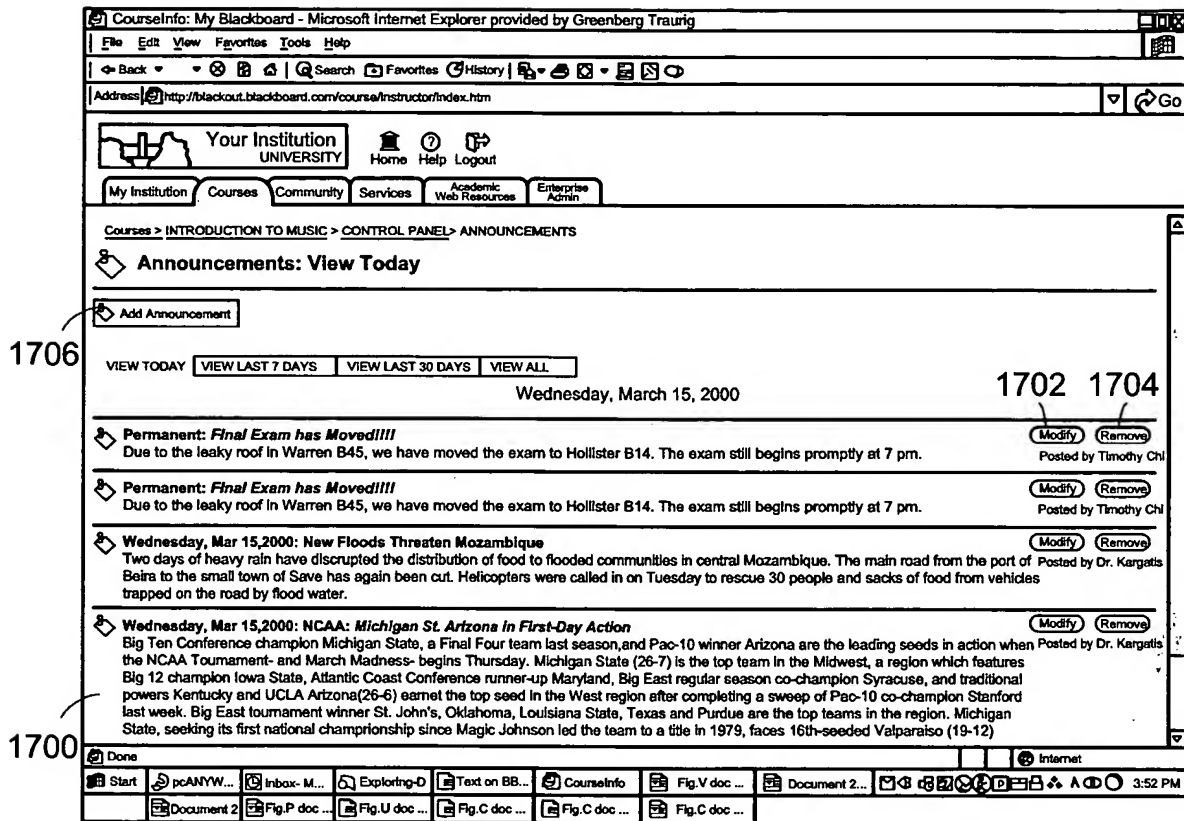


FIG. 17

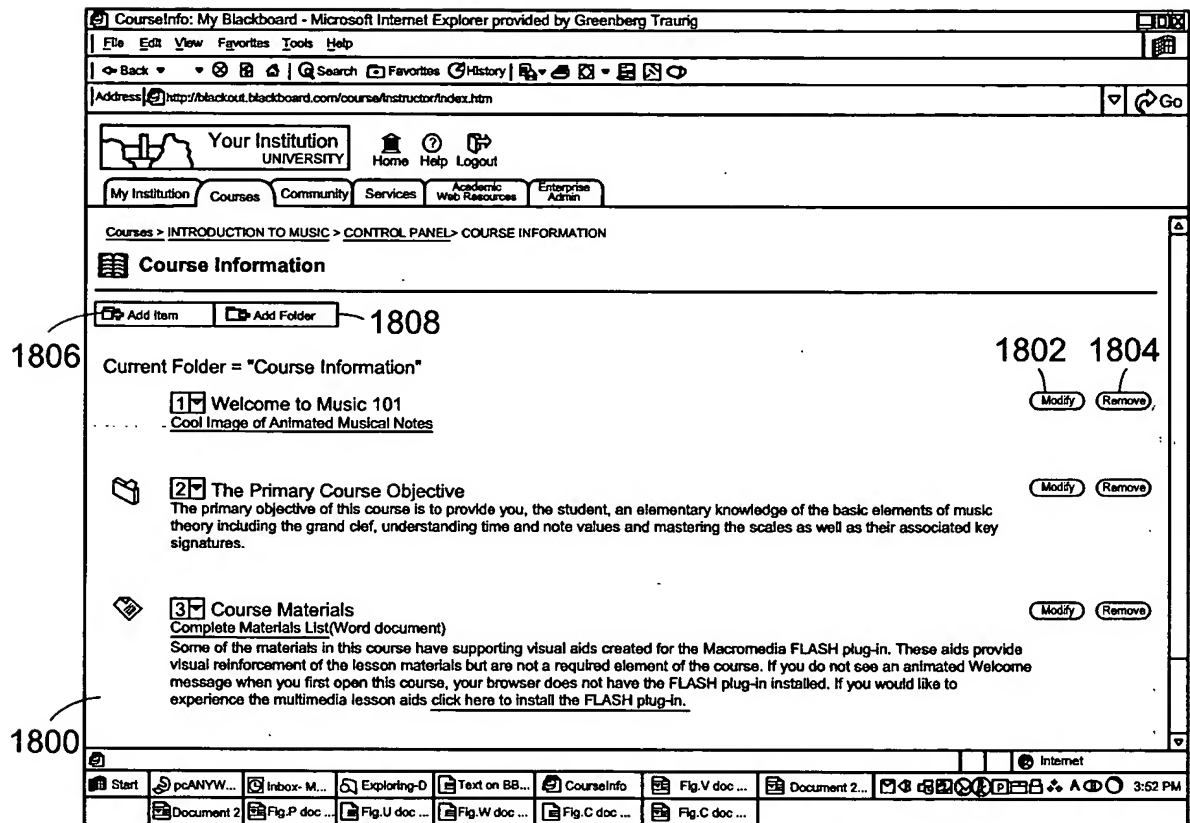


FIG. 18

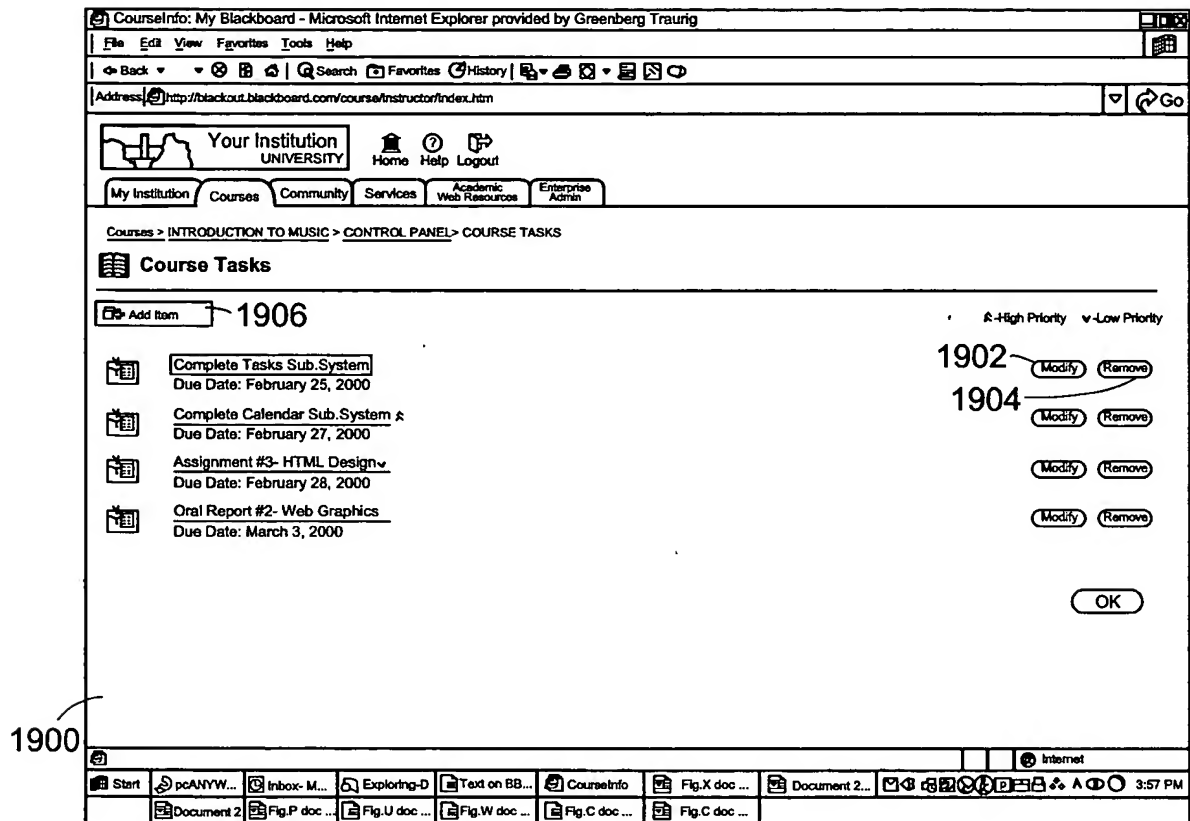


FIG. 19

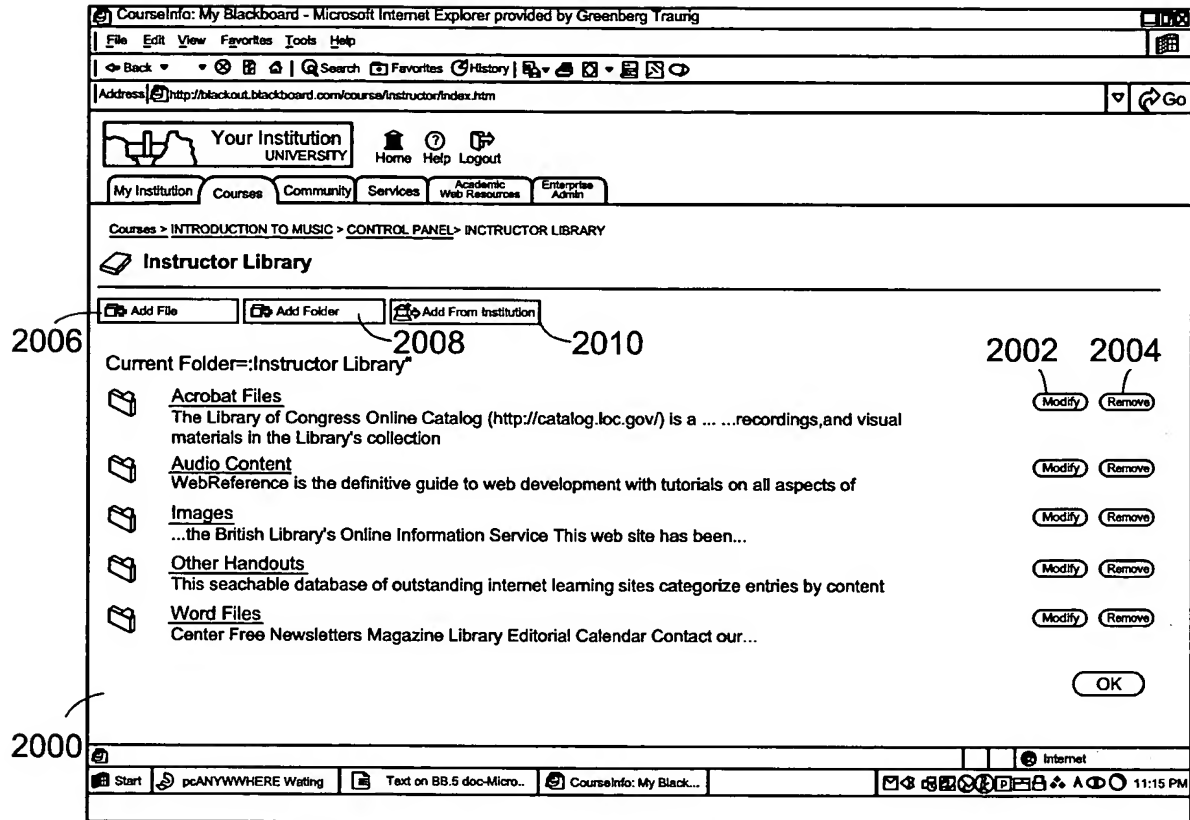


FIG. 20

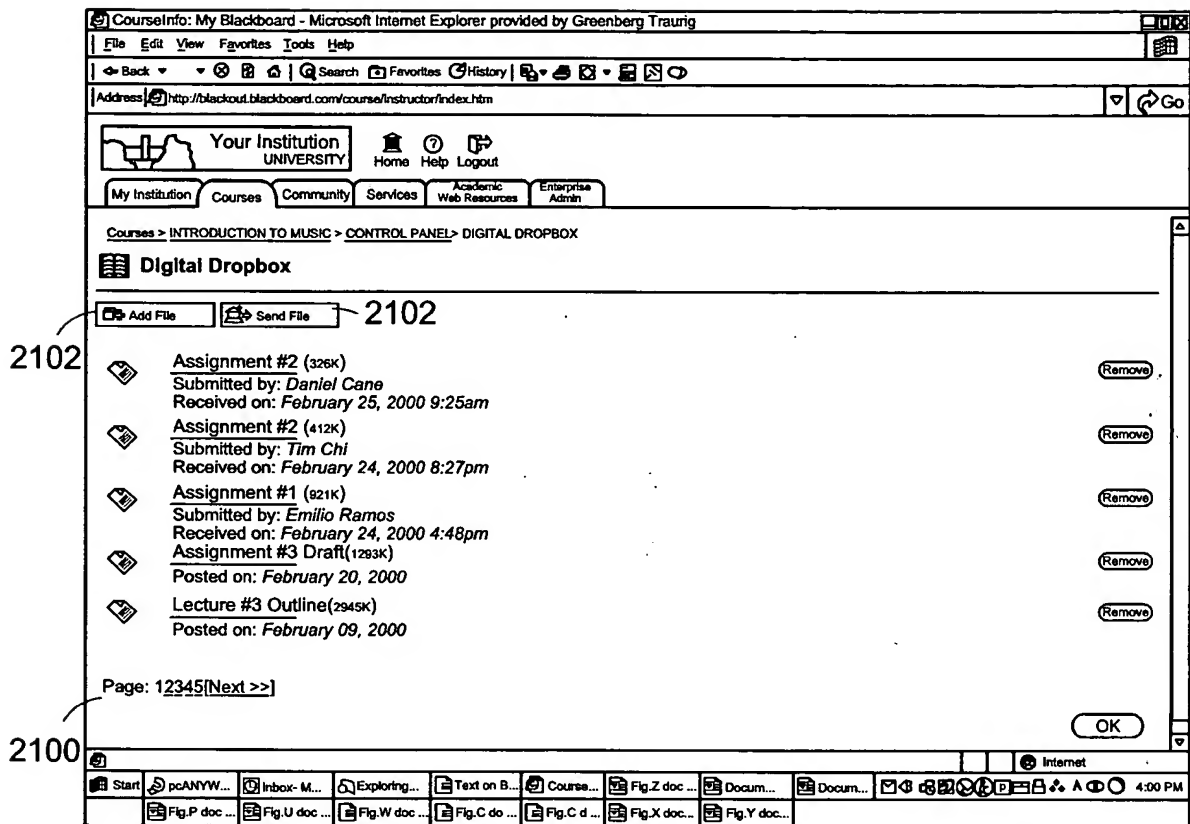


FIG. 21

Blackboard Learning System TM (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print View Source Help

Address et.jsp?tab=courses&url=/bin/common/course.pl?course\_id=2\_1 Go Links Blackboard ASP Web Tools Crystal Report Viewer

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

COURSES > PATENT > CONTROL PANEL > GRADEBOOK

**View Spreadsheet** 2200

2202 2204 2206 2208 2210 2212 2218

Add Item Manage Items Gradebook Settings Weight Grades Download Grades Upload Grades

Sort Items by: Position GO Filter Items by Category: All GO Filter Users by Last Name: All GO

Student Name (Last, First)	Mid-Term Assignment Pts Possible: 0 Weight: 0%	Total Pts Possible: 0	Weighted Total
Alcorn, Bob	100	100	0%

1 Students  
Displaying records 1 - 1

☐ In Progress  
☐ No Information  
☐ Needs Grading  
☐ Grading Error  
☒ Completed  
 Denotes a non-visible item

OK

Powered by Blackboard Internet

FIG. 22



COURSES > INTRODUCTION TO MUSIC > CONTROL PANEL > COURSE STATISTIC > REPORT

## Course Statistics

Statistics Generated on Thursday, February 24, 2000 11:26:28AM

**Note: You may have to reload/refresh this page for the images to be correct.**

---



---

Total Number of Accesses per Area	2302
Number of Accesses over Time	2304
User Accesses per Hour of the Day	2306
User Accesses per Day of the Week	2308
Total Accesses by User	2310

---

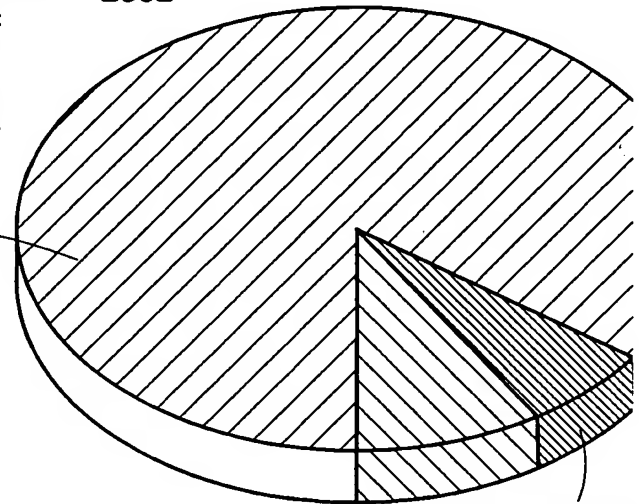


---

### Total Number of Accesses per Area — 2302

Area Name	Hits	Percent
Content Areas	139	83.2 %
Communication Areas	10	5.98 %
Group Areas		0 %
Student Areas	15	8.98 %
Total	167	100 %

Content Areas



Communication Areas

### Number of Accesses over Time — 2304

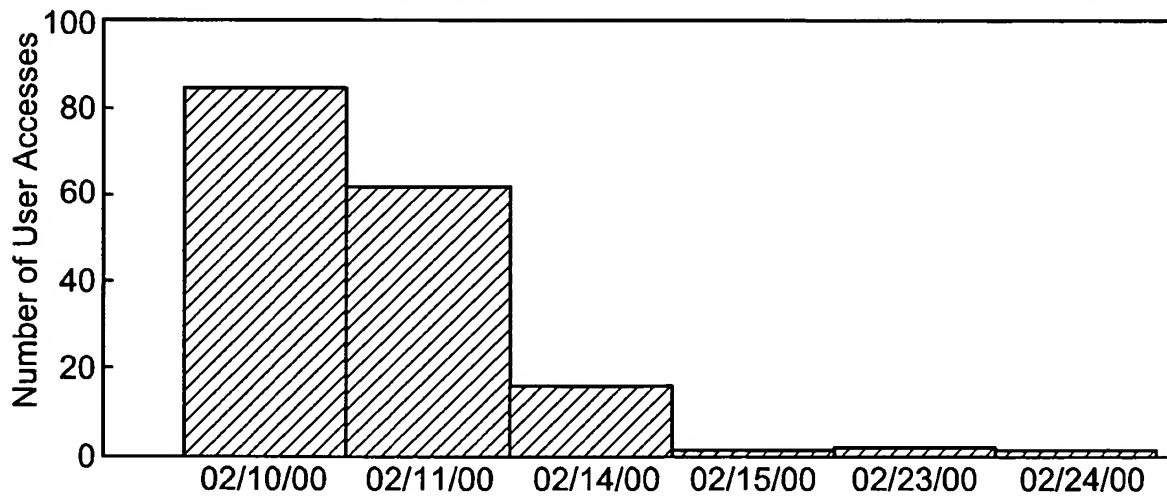


FIG. 23A

User Accesses by Hour of the Day — 2306

Hour of the Day	Hits	Percent
8	1	0.59 %
9	7	4.19 %
10	94	56.2 %
11	15	8.98 %
12	4	2.39 %
13	22	13.1 %
15	1	0.59 %
16	3	1.79 %
17	14	8.38 %
22	3	1.79 %
23	3	1.79 %
Total	167	100 %

Fig. 23B-1
Fig. 23B-2

2300

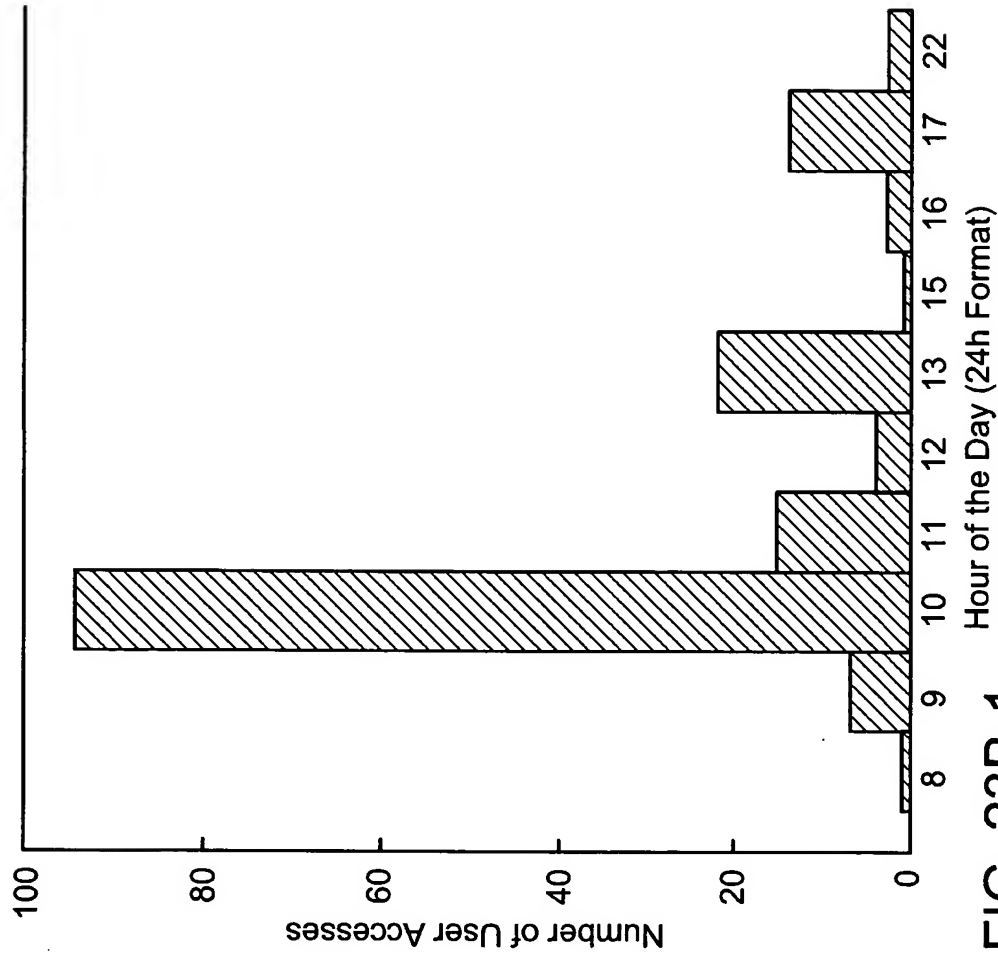


FIG. 23B-1

FIG. 23B

2308

# User Accesses by Day of the Week

Day of the Week	Hits	Percent
Monday	16	9.58 %
Tuesday	1	0.59 %
Wednesday	2	1.19 %
Thursday	86	51.4 %
Friday	62	37.1 %
Total	167	100 %

2300

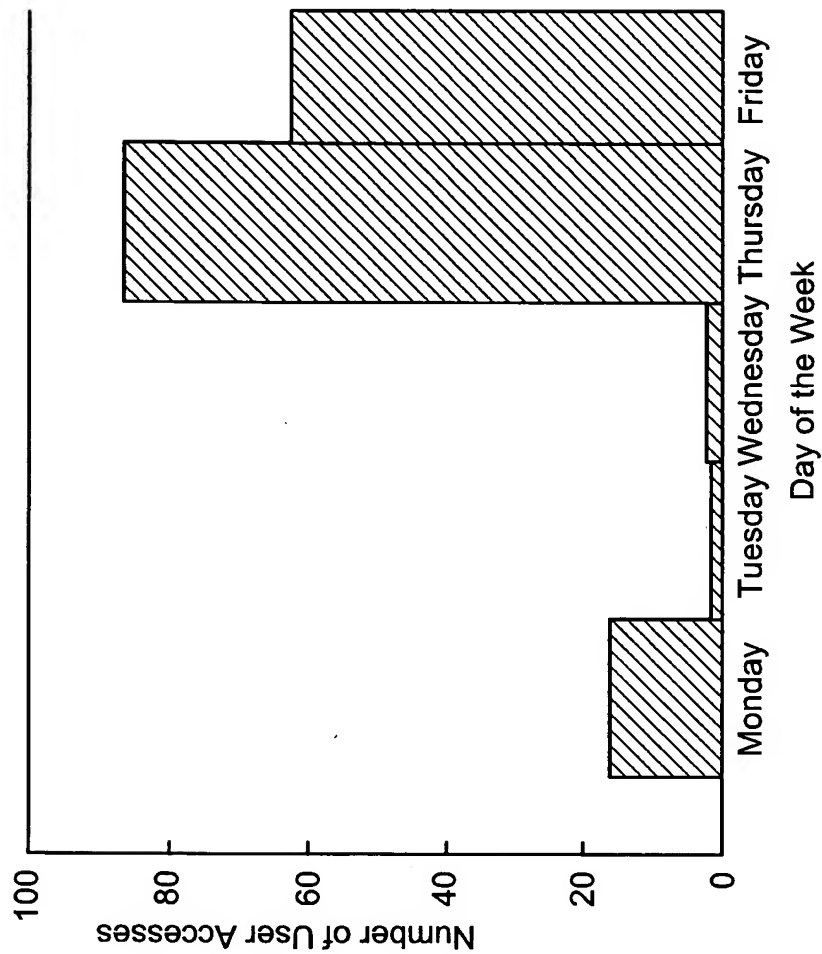


FIG. 23B-2

Blackboard Learning System TM (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Search Favorites Media Print

Address http://localhost/webapps/portal/frameset.jsp?tab\_id=7\_1 Go Links Blackboard ASP Web Tools Crystal Report Viewer Expense Reports

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

2403a 2403b 2403c 2403d 2401

Blackboard Learning System™ (Release 6) Blackboard Internal SE Dev Edition 6.0.9 build 220  
bb\_bh60 administrator (System admin)

2414 2442

2402 Courses

2436 List/Modify Courses 2416 Export Course

2404 Create Course 2418 Archive Course

2406 Batch Create Courses 2420 Restore Courses

2408 Batch Enroll Users in Course 2422 Settings

2410 Remove Course 2424 Images and Icons

2412 Copy Course 2426 Catalog

2412 Import Course

2428 Organizations

2430 List/Modify Organizations 2462 Import Organization

2432 Create Organization 2464 Export Organization

2433 Batch Create Organizations 2466 Archive Organization

2433 Batch Enroll Users in Organization 2468 Restore Organization

2437 Remove Organization 2470 Settings

2438 Copy Organization Images and Icons

2438 Discussion Boards Catalog

2432 Users

2433 List/Modify Users 2434 Remove Users from the System

2433 Create User Batch Remove Users from the System

2433 Batch Create Users 2434 Observer Management

2437 Postal Areas

2438 Manage Tabs 2440 Manage Tool Panel

System Options

Manage System Extension 2444 System Config Info 2448

System Reporting 2446 Logs 2450

Tools

Announcements 2454 2452 2460

Institution Calendar 2456 2458

Send E-mail

Security and Integration

SSI Choice 2472 Customize User Profile

Authentication Config 2474 User Privileges

Manage Context Encryption Key 2476 System Settings

Integration Password Gateway Options 2478

Customize Login Page

Assistance

Online Admin Manual 2480 2482 2479

Online Support Site 2484

Designate Local Support Contact

Powered by Blackboard Trusted sites

FIG. 24

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss

Address [http://georgetown1/Blackout\\_v30r/bb\\_admin/frames/frame\\_enterprise\\_community.html](http://georgetown1/Blackout_v30r/bb_admin/frames/frame_enterprise_community.html) Go

**Your Institution UNIVERSITY** Home Help Logout

My Institution Courses **Community** Services Academic Web Resources

2502

**COMMUNITY SEARCH**

Search the Web:  Go

[advanced search](#)

**OFF-CAMPUS COMMUNITIES**

**The Arts**  
Books, Writing, Art, Poetry

**College**  
Greek, Academics, Nightlife

**Cultures**  
Race Relations, Foreign Students

**Fun & Games**  
Humor, Video, Games, Gaming

**Health & Fitness**  
Working Out, Nutrition

**Jobs**  
Career, Internships, Work Study

**Money**  
Finance, Investing, Insurance

**Movies**  
Reviews, Celebs, Filmmaking

**Music**  
Videos, News, Bands

**Personal & Misc.**  
The rest of it

**Politics**

**Club List:** Add

Clubs of which you are a Member:

**College Democrats**  
Meet with other Democrats to fight the Republicans

**Sigma Alpha Mu**  
Greek Life

**Football**

**Intramural Basketball**  
Join a team every Tuesday night

**Math Club**  
If you are good at math join us. No Calculus required (joke)

**Discussion Boards:** Add

**Housing**  
Looking for a roommate, or have housing questions. Post here.

**Greek Life**  
Greek, Academics, Nightlife

**Ride Board**  
Find a ride home or offer a ride.

**Study Groups**  
Humor, Video Games, Gaming.

**College Sports**  
Working Out, Nutrition

**Teacher's Lounge**  
Where teachers can chat

**Home Help**  
Need help from home

**Social Life**  
Party hosted by Letts Hall at Quigley's Midtown.

**Politics**  
Let's get those dam independents.

**Intramurals**  
Join or start your own intramural sports team.

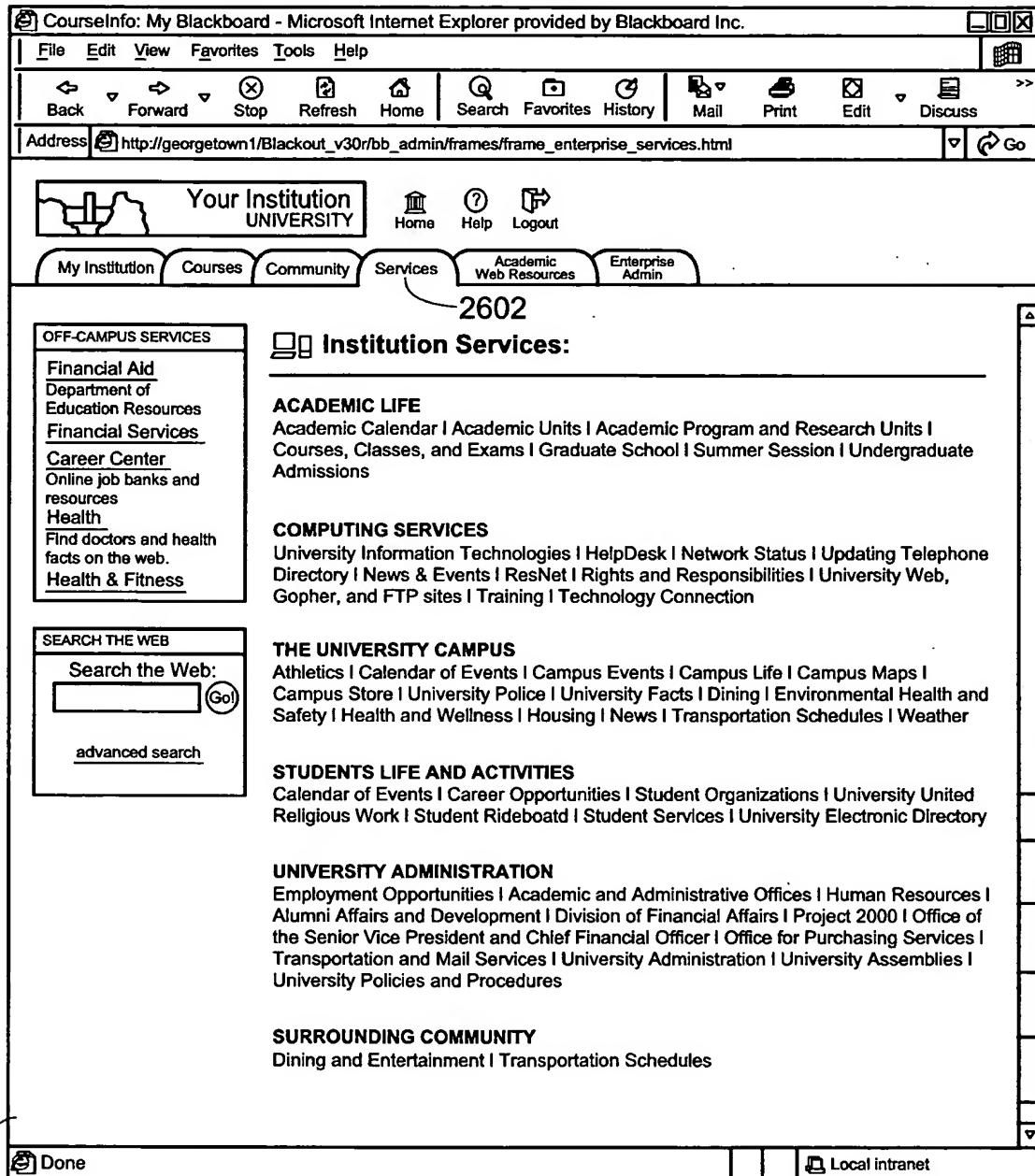
**Club Catalog:**

- Theater and the Arts
- Business & Investing
- Christianity
- Computers & Internet
- Cooking, Food & Wine
- Entertainment
- Health, Mind & Body
- History
- Home & Garden
- Literature & Fiction
- Oprah
- Parenting & Families
- Professional & Technical

Done Local intranet

2500

FIG. 25



CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Blackboard Inc.

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss

Address [http://georgetown1/Blackout\\_v30r/bb\\_admin/frames/frame\\_enterprise\\_myblackboard.html](http://georgetown1/Blackout_v30r/bb_admin/frames/frame_enterprise_myblackboard.html) Go

**Your Institution UNIVERSITY** Home Help Logout

My Institution Courses Community Services Academic Web Resources Enterprise Admin

**TOOLS**

- [Home](#)
- ☒ [E-Mail](#)
- ☒ [Announcements](#)
- ☒ [Calendar](#)
- ☒ [Tasks](#)
- ☒ [User Directory](#)
- ☒ [Address Book](#)
- ☒ [Course Grades](#)
- ☒ [Personal Info](#)

**Calendar** Show All

Add Event Quick Jump

VIEW DAY VIEW WEEK VIEW MONTH

**<< Wednesday, March 1, 2000 >>**

AM	6:00	
	6:30	
	7:00	
	7:30	
	8:00	
	8:30	
	9:00	
	9:30	
	10:00	
	10:30	
	11:00	
	11:30	
PM	12:00	
	12:30	
	1:00	
	1:30	
	2:00	
	2:30	

Local intranet

2700

FIG. 27

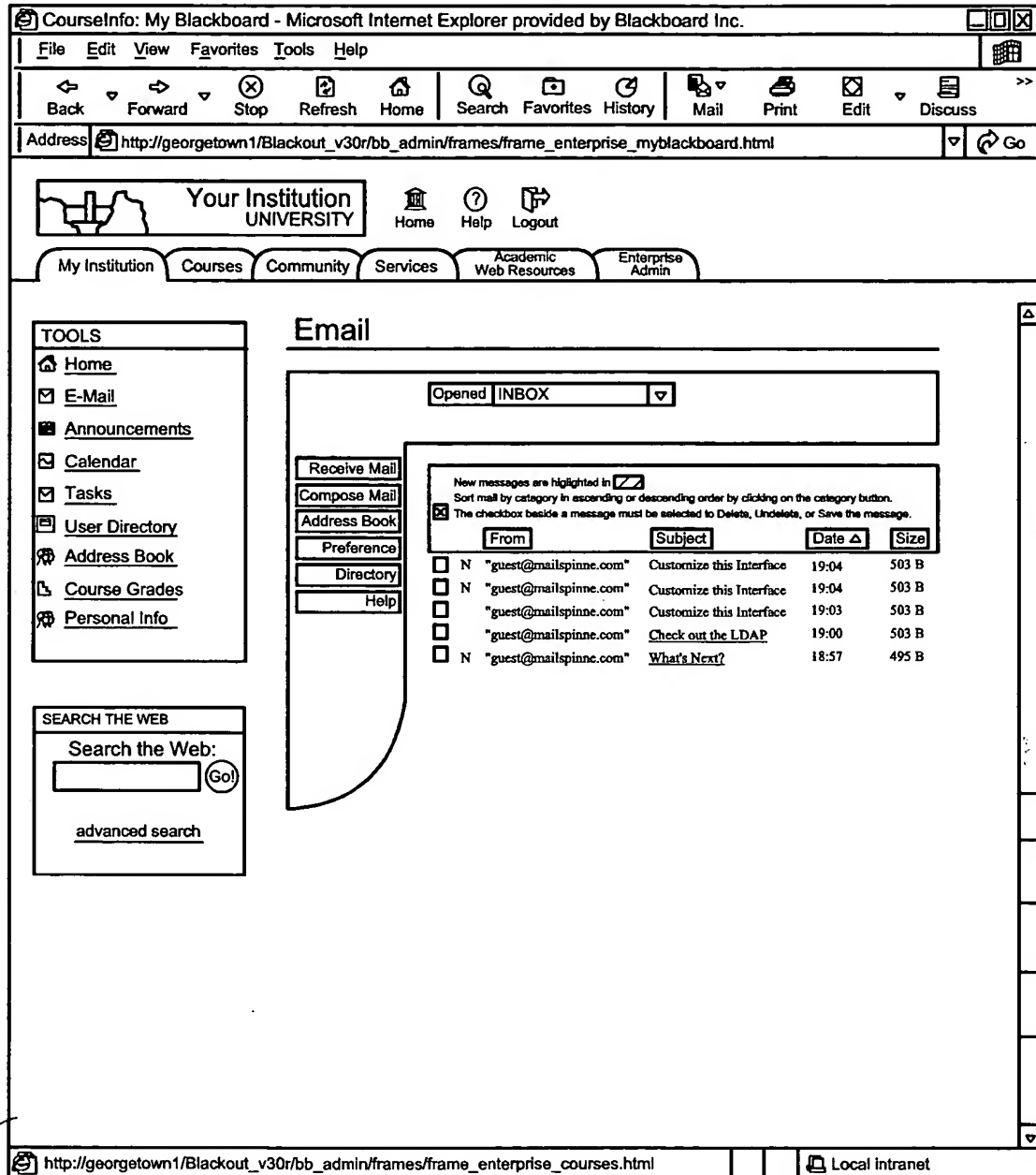


FIG. 28



CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History Print Home

Address http://blackout.blackboard.com/bb\_admin/frames/frame\_enterprisedmin.html Go

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services Academic Web Resources Enterprise Admin

ADMINISTRATION PANEL >CREATE NEW COURSE

Create A New Course

① Course Information

Course Name:

Course ID:

Description:

② Course Design

Button Type:

Button Shape: ☒ Rectangular ☐ Rounded Ends ☐ Rounded Corners

Button Style:

Beige Stone  
Black Lace  
Blue Brick  
Blue Concrete  
Blue Coral  
Blue Lace

③ Course Options

Select Type:  Subject Area:

Discipline:

Guest Access: ☐ Guests are allowed to visit this course.  
☐ Guests are not allowed to visit this course.

Start pcANYWHERE Inbox- Microsoft Exploring- Desk Text on BB.5d... CourseInfo My Black Fig.O doc Micr...

Internet 3:37 PM

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History Print Home

Address http://blackout.blackboard.com/bb\_admin/frames/frame\_enterprisedmin.html Go

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services Academic Web Resources Enterprise Admin

Guest Access: ☐ Guests are allowed to visit this course.  
☐ Guests are not allowed to visit this course.

Available: ☐ Yes ☐ No

Select Course Catalog Category:

Course Cartridge: (optional) Please enter your Course Cartridge Access Key:

If you do not have an Access Key, please visit <http://cartridges.blackboard.com> to locate a Course Cartridge.

Instructor: ☐ Instructor ID:    
☐ Create New Instructor

④ Submit

Click "Submit" to finish. Click "Cancel" to end this process.

Cancel Submit

http://blackout.blackboard.com/bb\_admin/frames/frame\_enterprise\_webresources.html Internet 3:38 PM

Start pcANYWHERE Inbox- Microsoft Exploring- D Text on BB.5d... CourseInfo Fig.D doc Micr... Document 20... Document 21... Document 22...

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

File Edit View Favorites Tools Help

Back Search Favorites History

Address http://blackout.blackboard.com/bb\_admin/frames/frame\_enterprise\_enterprisedmin.html Go

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services Academic Web Resources Enterprise Admin

ADMINISTRATION PANEL > CREATE USER

Create User

① Personal Information

\*First Name:

Middle Name:

\*Last Name:

\*E-mail:

Student ID:

② Account Information

\*User Name:

\*Password:

\*Verify Password:

③ Other Information

Start pcANYWHERE Inbox- Microsoft Exploring- Desk Text on BB.Sd... CourseInfo My Black Fig.D doc Micr... Document 20... Document 21... Fig.P doc Micr... Fig.C doc Micr... Internet 3:18 PM

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

File Edit View Favorites Tools Help

Back Search Favorites History

Address http://blackout.blackboard.com/bb\_admin/frames/frame\_enterprisedmin.html Go

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services Academic Web Resources Enterprise Admin

Gender: ☒ Male ☐ Female

Birthday: January 1 1976

Education: Undergraduate Student

Company:

Department:

Job Title:

Address:

Address:(cont)

City:

State / Province:

Zip / Postal Code:

Country:

Web Site:

Home Phone:

Work Phone:

Start pcANYWHERE Inbox- Microsoft Exploring- D Text on BB.Sd... CourseInfo..My Fig.D doc Micr... Document 20... Document 21... Fig.P doc Micr... Fig.C doc Micr... Internet 3:18 PM

FIG. 30A

CourseInfo: My Blackboard - Microsoft Internet Explorer provided by Greenberg Traurig

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History

Address: http://blackout.blackboard.com/bb\_admin/frames/frame\_enterpriseadmin.html Go

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services Academic Web Resources Enterprise Admin

Work Phone:

Work Fax:

Mobile Phone:

**④ Role and Availability**

Primary Institution Role:

Administrative User Role:  
If you would like user to have an administrative role, please select the role:  
(Note: Administrative Access grants the user Access to the Administration Control Panel)

☒ None ☐ System Admin ☐ System Support  
☐ Course Creator ☐ Account Administrator

**⑤ Submit**

\*Required Field for Form Entry  
Click "Submit" to finish. Click "Cancel" to end this process.

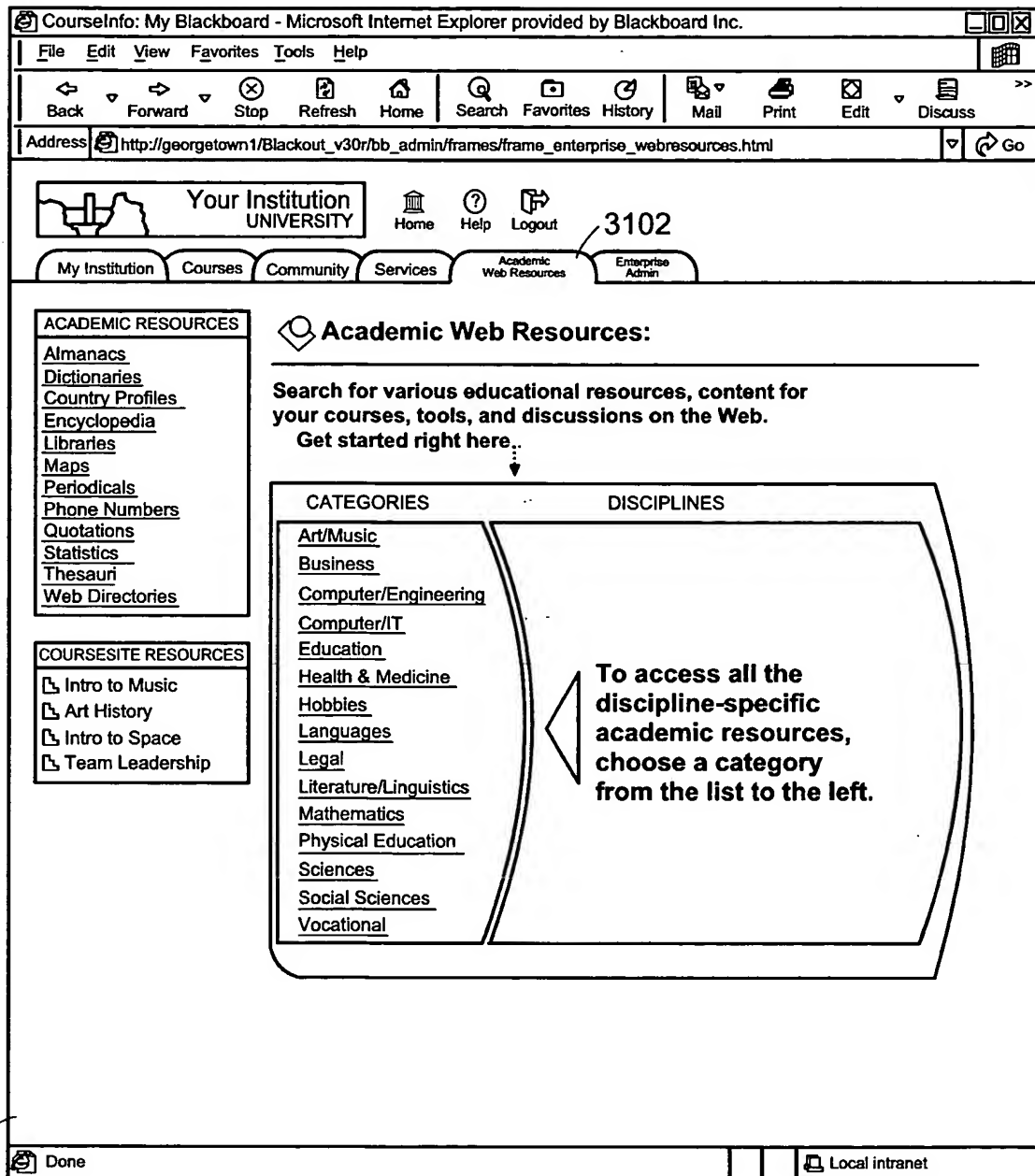
Cancel Submit

Internet

Start pcANYWHERE Inbox- Microsoft... Exploring- Desk Text on BB.5d... CourseInfo: My Black... 3:18 PM

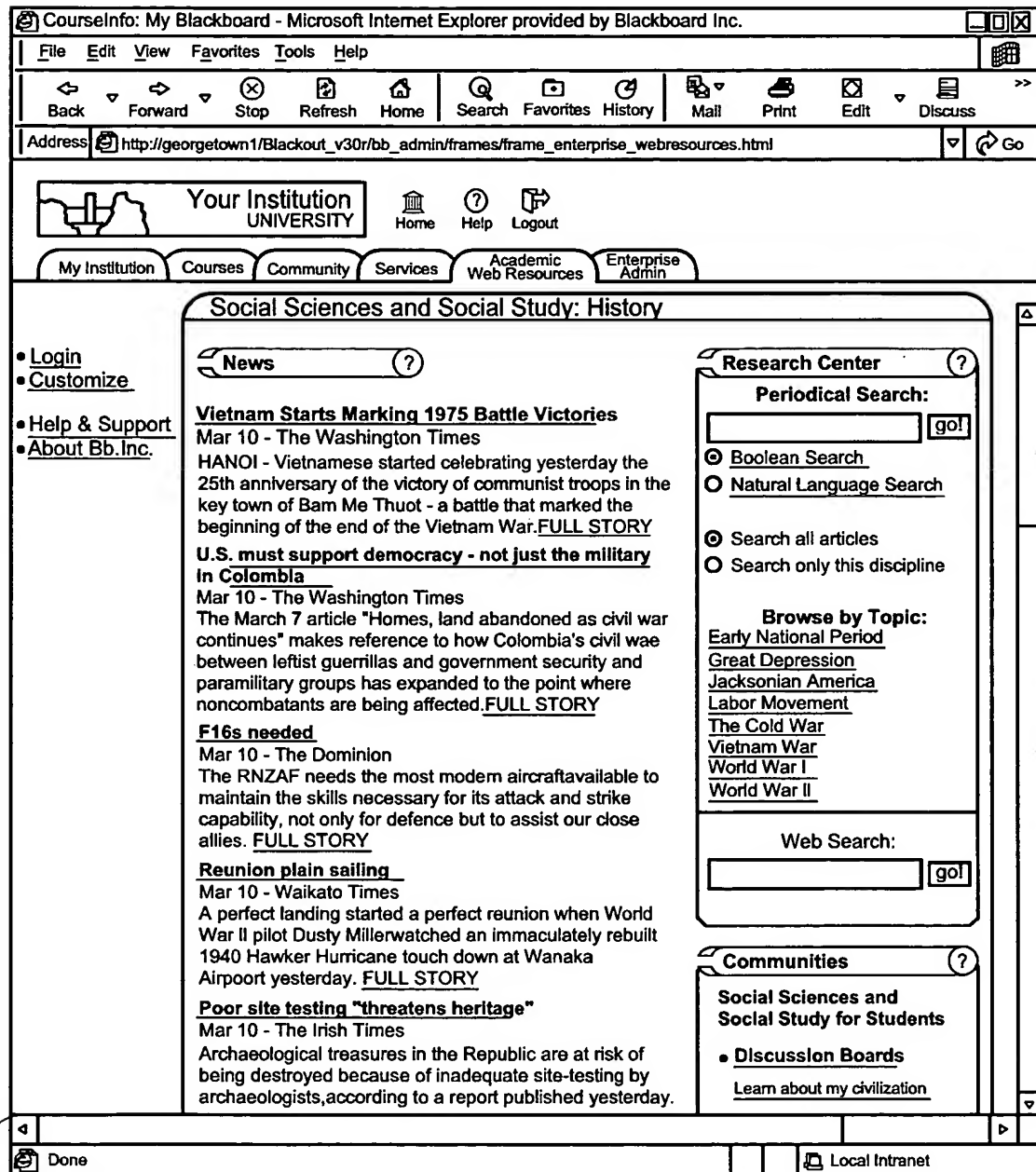
Fig.D doc Micr... Document 20... Document 21... Fig.P doc Micr... Fig.C doc Micr...

FIG. 30B



3100

FIG. 31



Blackboard Learning System TM (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print View Source Help

Address [set.jsp?tab=courses&url=/bin/common/course.pl?course\\_id=2](#) Go Links Blackboard ASP Web Tools Crystal Report Viewer

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

Announcements  
Course Information  
Staff Information  
Course Documents  
Assignments  
Communication  
Discussion Board  
External Links  
Tools

Course Map  
Control Panel  
Quick Unenroll

COURSES >PATENT >COMMUNICATIONS >COLLABORATION

### Collaboration Sessions

Filter: Search By: ☒ Session Name ☐ Start Date ☐ End Date (MM DD YY)

Show All GO Search

Displaying sessions 1-2 of 2

Session Name	Tool	Start Date	End Date	
Lecture Hall	Virtual Classroom			Join
Office Hours	Lightweight Chat			Join

2 Sessions  
Displaying sessions 1-2

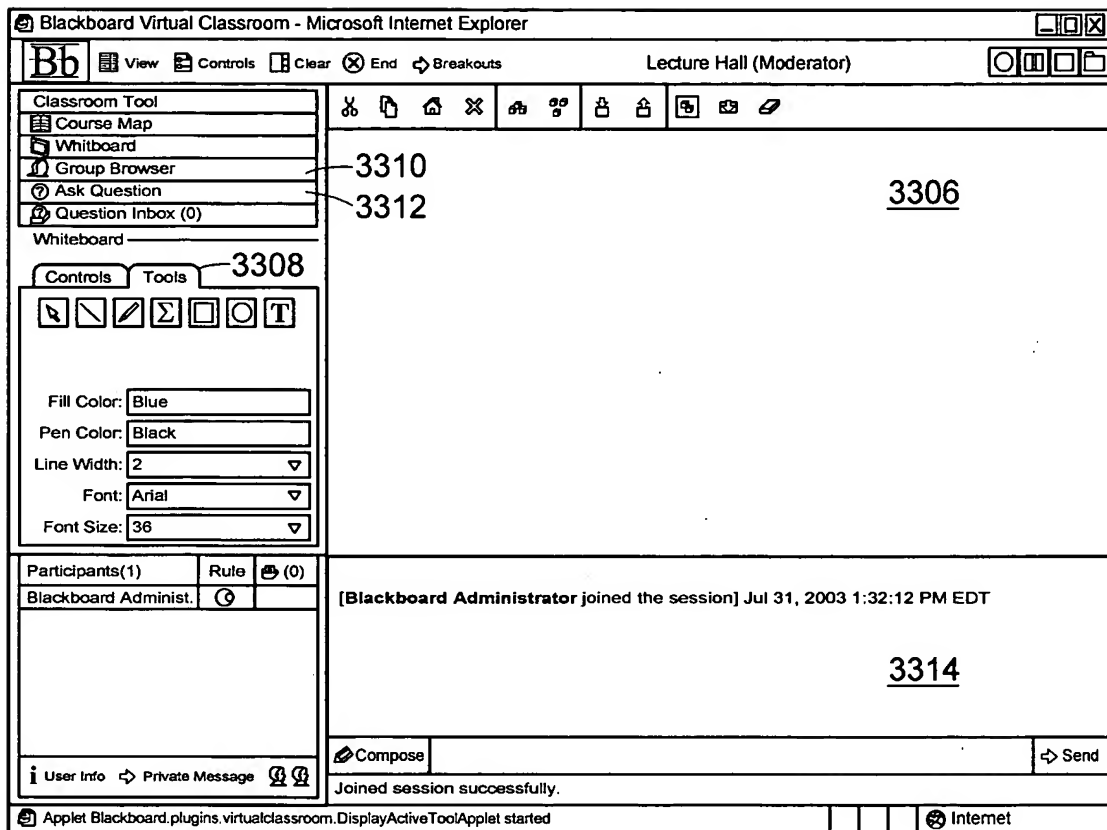
3302 3304

OK

Powered by Blackboard Internet

3300

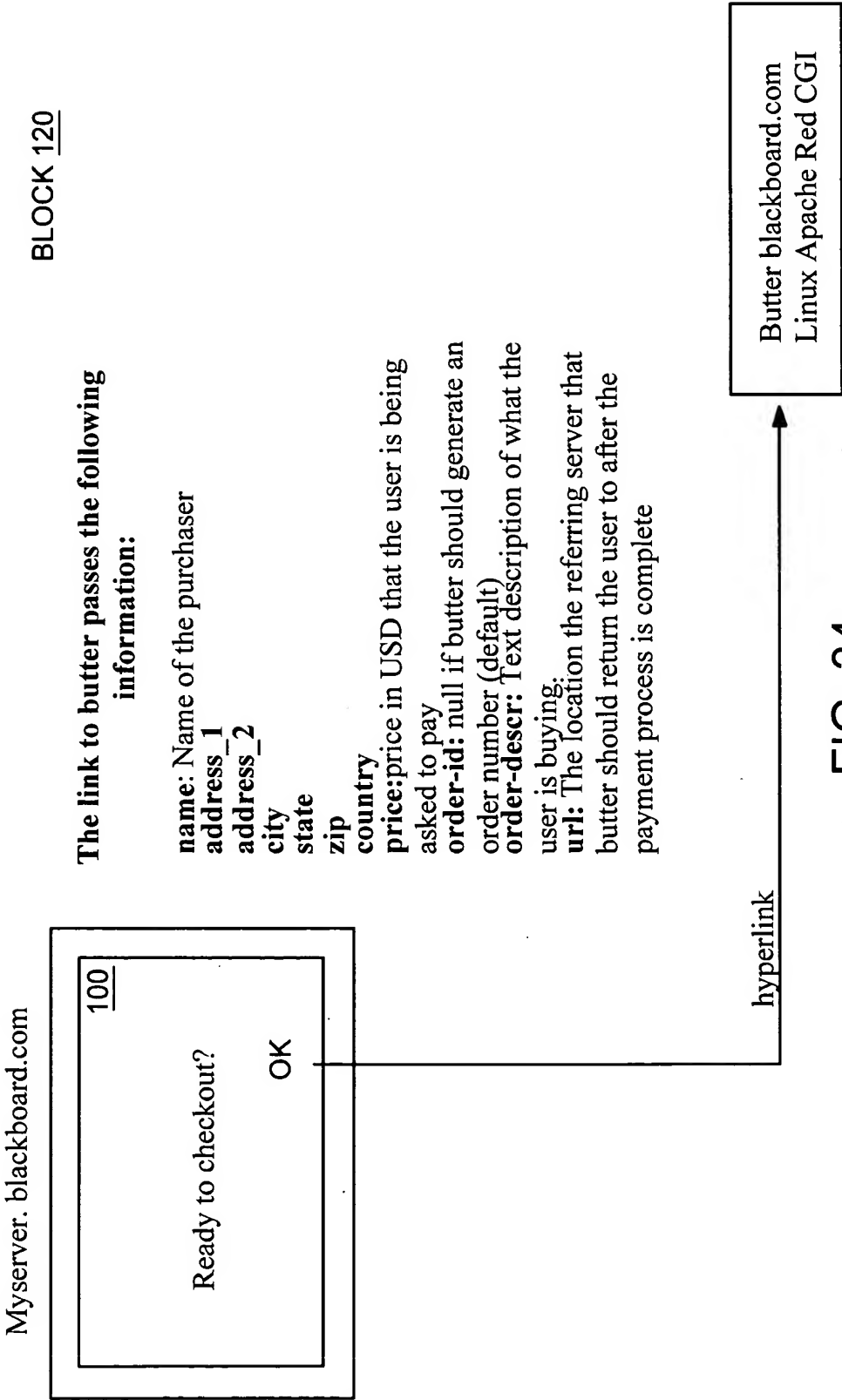
FIG. 33A



3450

FIG. 33B

Linking to the E-Commerce Server



BLOCK 120

The link to butter passes the following information:

- name: Name of the purchaser
- address\_1
- address\_2
- city
- state
- zip
- country
- price:price in USD that the user is being asked to pay
- order-id: null if butter should generate an order number (default)
- order-descr: Text description of what the user is buying;
- url: The location the referring server that butter should return the user to after the payment process is complete

FIG. 34



Butter.blackboard.com

3500

Whatever user info is available is populated from the data passed from the previous page.

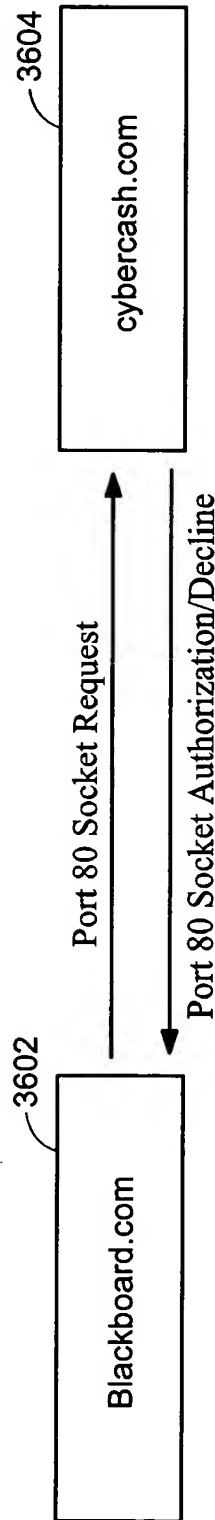
The unique order number displayed is dynamically generated by the server.

The Chosen services and price displayed are passed in from the previous screen.

The look and feel of this plate (and all butter e-commerce pages) can be modified by an HTML template. This template is selected as one of the script parameters.

FIG. 35

## Authorization Process



- The authorization process takes a minute or so.
- If the card is rejected, a page like the one at right is displayed.
- If the card is accepted, the payment goes through, and the page on the next slide is shown.

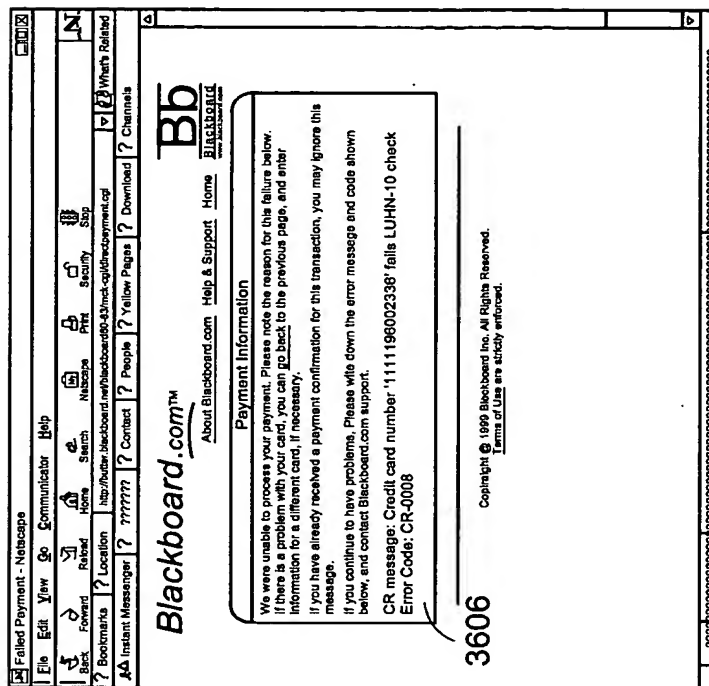


FIG. 36

Butter.blackboard.com

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Payment is authorized and queued at Cybercash, Inc for processing.

The payment will go through and appear in Blackboard's Cybercash account within 12 hours.

There is no way that the user can back out at this point without Blackboard issuing a manual refund.

**No services are provided yet. The user must follow the link at the bottom of the page, or will receive nothing for his money.**

All links on this page are disabled except the one that says :YOU MUST CLICK HERE". This prevents users from failing to get their orders filled.

A authorization code is calculated by the script as a secure hash of the purchase price, the order id, and a secret number.

FIG. 37

## Returning to the Originating Server

Butter.blackboard.com

Blackboard.com™

Payment Information

Thank you for your payment. Below you will find a purchase confirmation number for your order. Please save this number for future reference. If you need to contact us, please provide this number.

Confirmation Details

Order Number: 3802  
Purchase Number: 3802  
Product: 3802  
Total Price: \$100.00

**YOU MUST CLICK HERE TO RETURN TO THE SERVICE YOU REQUESTED.**

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All Rights Reserved.

3800

- The link at the bottom of the page points back to the referring server using the location passed in the URL parameter to the first butter script.
- The authorization code, the order\_id and a subset of the credit card digits (show\_card) are passed back as parameters.
- The authorization code should be checked upon return by making an identical hash calculation. If the two hash values match, the order should be fulfilled, otherwise, and error should be shown.

myserver.blackboard.com

FIG. 38

Blackboard Learning System TM (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print View Source View Page Info

Address [?tab=courses8>url=/bin/common/course.pl?course\\_id=2\\_1](#) Go Links Customize Links Windows Media Windows

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

COURSES > TEST > CONTROL PANEL > COURSE DOCUMENTS > ADD CONTENT

### Add Content

#### 1 Content Information

Name: Course Documents 3910

or specify your own name: 3912

Choose Color of Name: 3914

Text: 3916

This is an equation placeholder: <88  
{0|"SummationExample"|1}00> 3920

3904

3902 3906

☒ Smart Text ☐ Plain Text ☐ HTML

#### 2 Content Attachments

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3900

FIG. 39

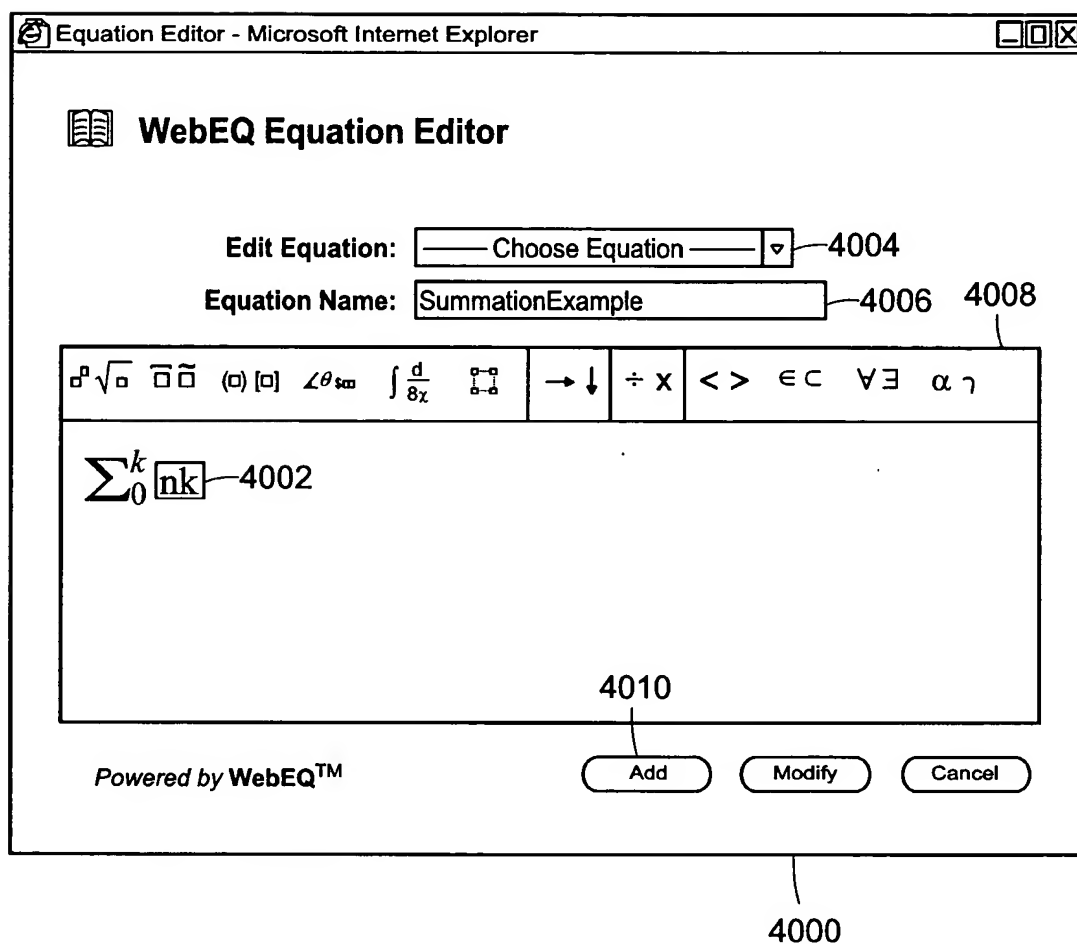
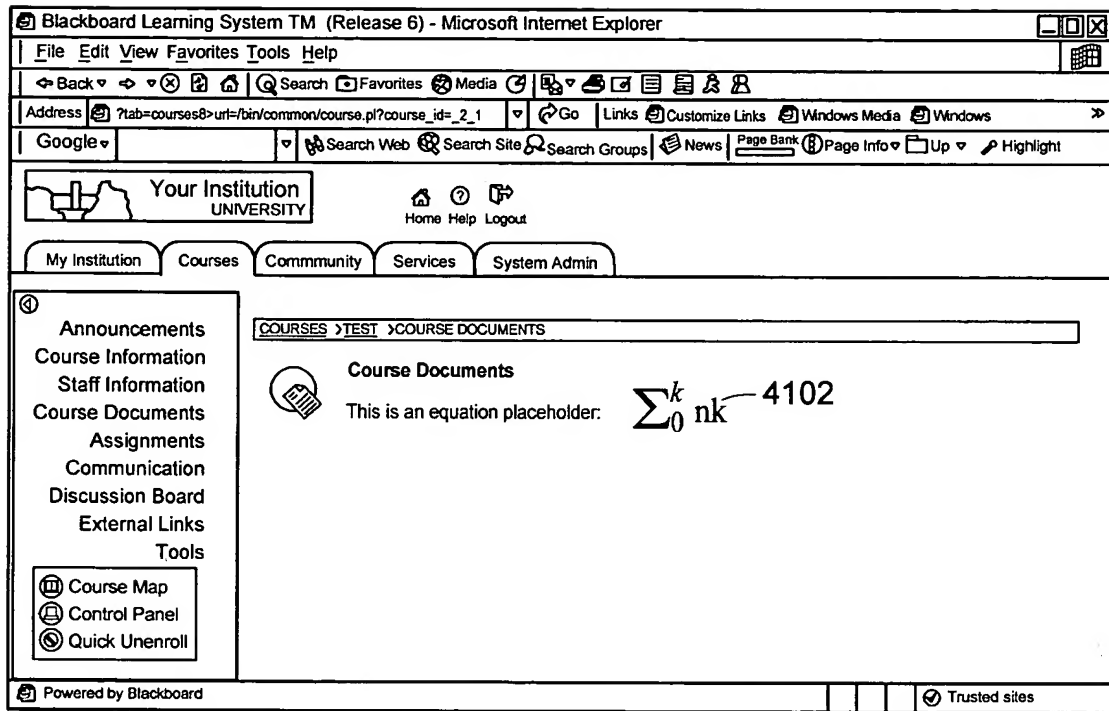


FIG. 40

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4100

RENDERED DATA

FIG. 41

Blackboard Learning System TM (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Search Favorites Media Print

Address [set.jsp?tab=courses&url=/bin/common/course.pl?course\\_id=2](#) Go Links Blackboard ASP Web Tools Crystal Report Viewer

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

COURSES > PATENT > CONTROL PANEL > COURSE DOCUMENTS > ADD CONTENT

### Add Content

#### 1 Content Information

Name:  3910

or specify your own name:  3912

Choose Color of Name:

Text:

This is a template. Here is a `<link">8x8` to additional data. Here is a custom text object: `8x8content_block( some_id, type-spec) 8x8` 4202

An equation placeholder: `<88[0|"equation_0_1"|1]88>`

3904

3902 3906

☒ Smart Text ☐ Plain Text ☐ HTML  3916

#### 2 Content Attachments

Files may be attached to the above information. Click the Browse button to select the file to attach from your computer. Also, specify a name of the link to this file.

File to Attach:

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4200

FIG. 42



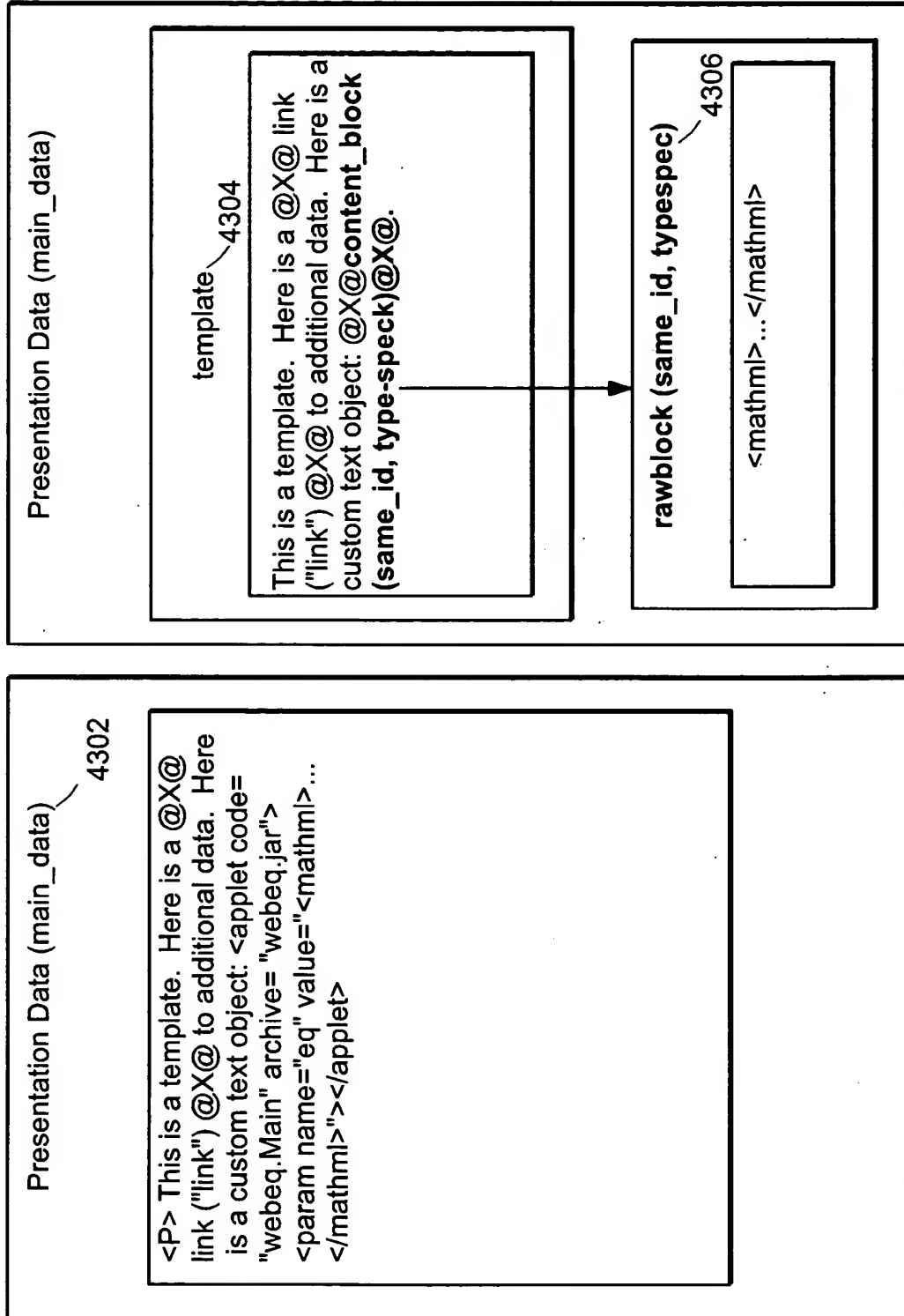


FIG. 43

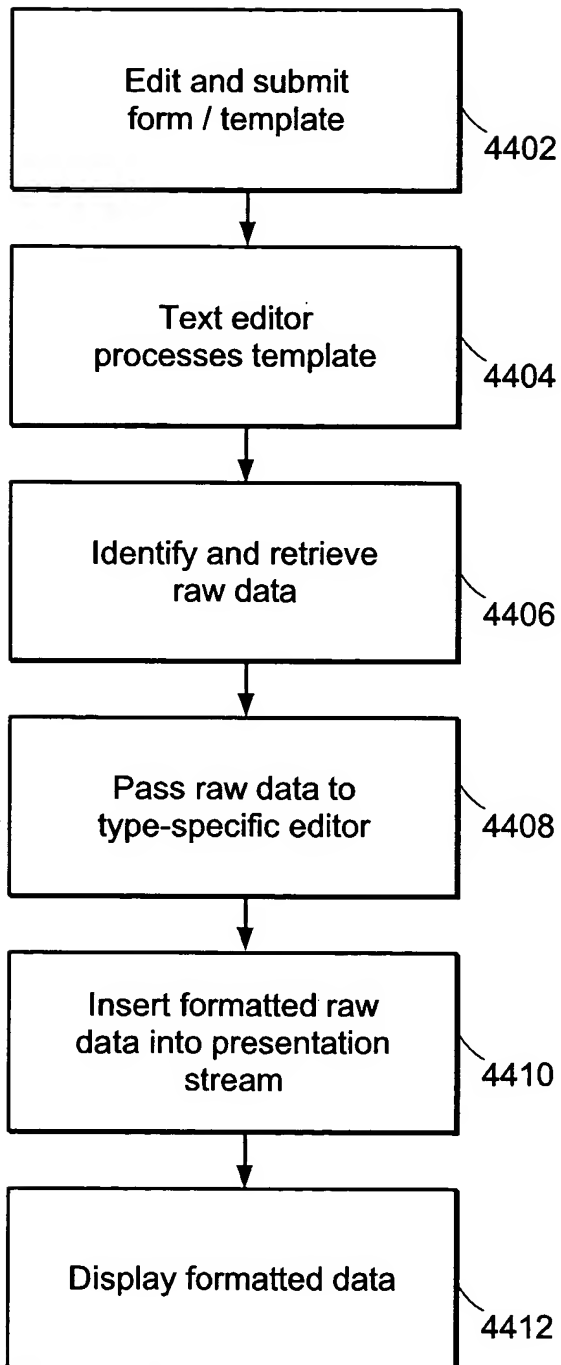


FIG. 44

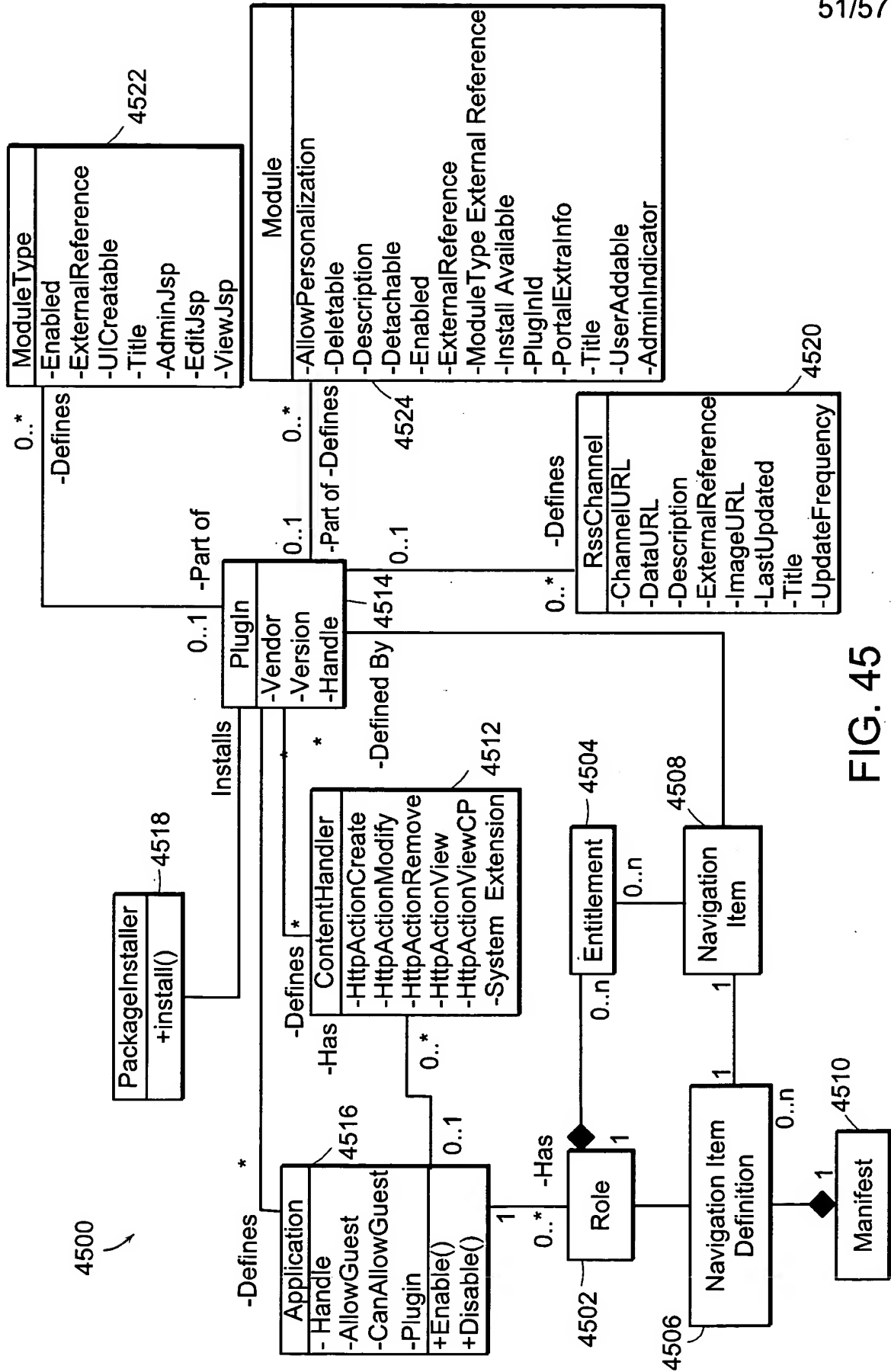


FIG. 45

4600  
↙

User Name			Role(s)	Entitlement
Last	First	M.I.		
Jones	Allan	S.	A,I	Course, modify calendar, modify
Smith	Jane	T.	C,T	Course, modify calendar, modify
⋮				
Lee	Alex	Y.	O.	Course.view

FIG. 46

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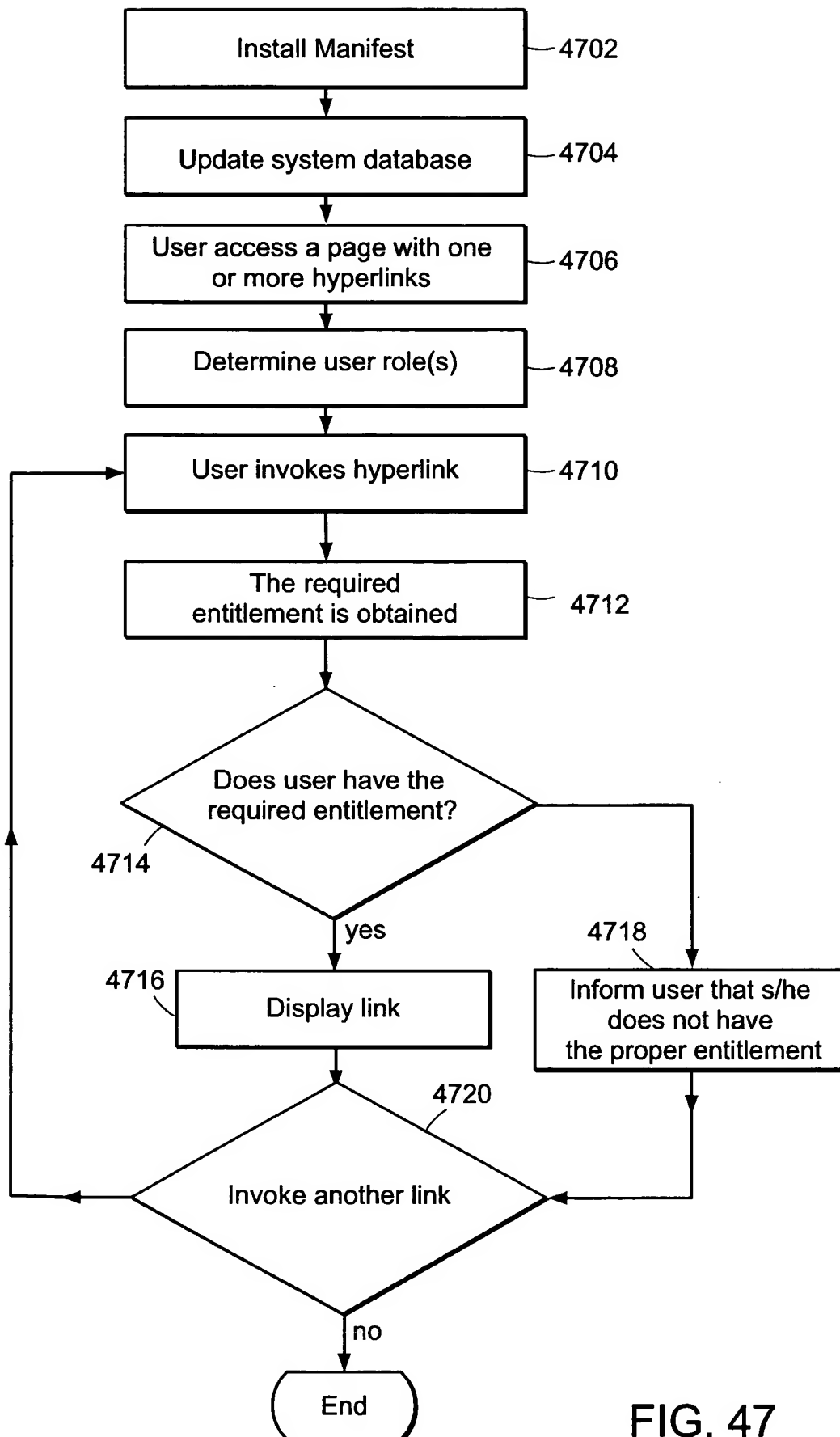


FIG. 47

4802

Blackboard Learning System TM (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Search Favorites Media Print View Source View Page Info

Address http://localhost/webapps/portal/frameset.jsp?tab\_id=7\_1 Go Links Blackboard ASP Web Tools Crystal Report Viewer Expense Reports

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

Your Institution UNIVERSITY Home Help Logout

My Institution Courses Community Services System Admin

ADMINISTRATION PANEL > MANAGE SYSTEM EXTENSIONS

Manage System Extensions

Install Extension Download Extension

Installed System Extensions

Name	Vendor	Version	Status		
Astrology	<a href="#">Astrology.com</a>	1.0.1	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
CNNModules	<a href="#">CNN</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
GoogleModule	<a href="#">Google</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
HETemplateModules	<a href="#">Blackboard Inc.</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
Maps	<a href="#">Mapquest</a>	1.0.2	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
New York Times	<a href="#">New York Times</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
Time	<a href="#">Time</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
Travel	<a href="#">Expedia</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
WeatherModule	<a href="#">Weather.com</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
Zap2itModules	<a href="#">Zap2it</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
AOI WYIWYG Editor	<a href="#">AOI Systems</a>	2.5.8	Available	<a href="#">View Components</a>	<a href="#">Properties</a> <a href="#">Remove</a>
Blackboard Course Creation Wizard	<a href="#">Blackboard Research and Development</a>	1.0.1	Available	<a href="#">View Components</a>	<a href="#">Properties</a> <a href="#">Remove</a>

OK

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4800

FIG. 48

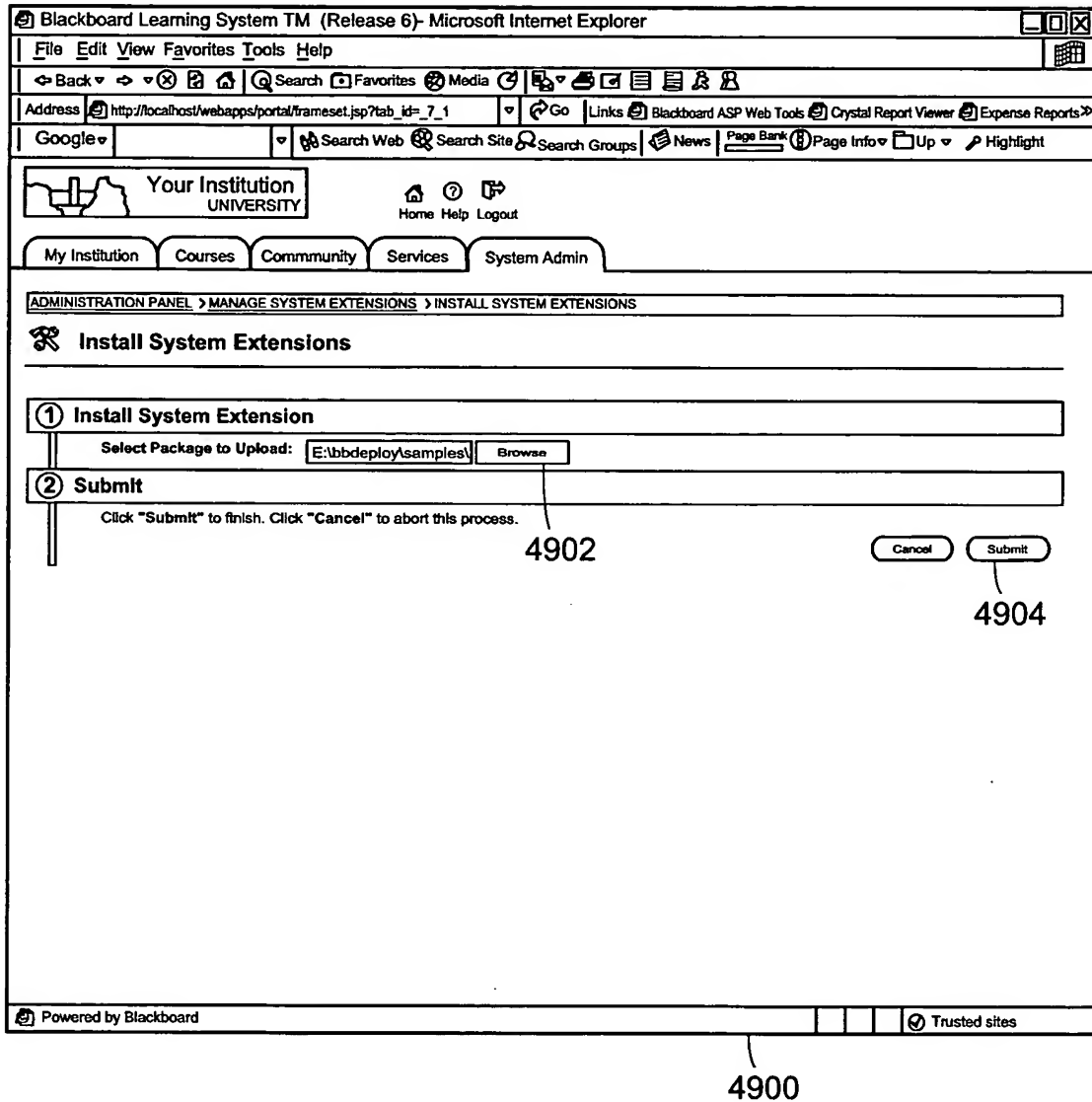
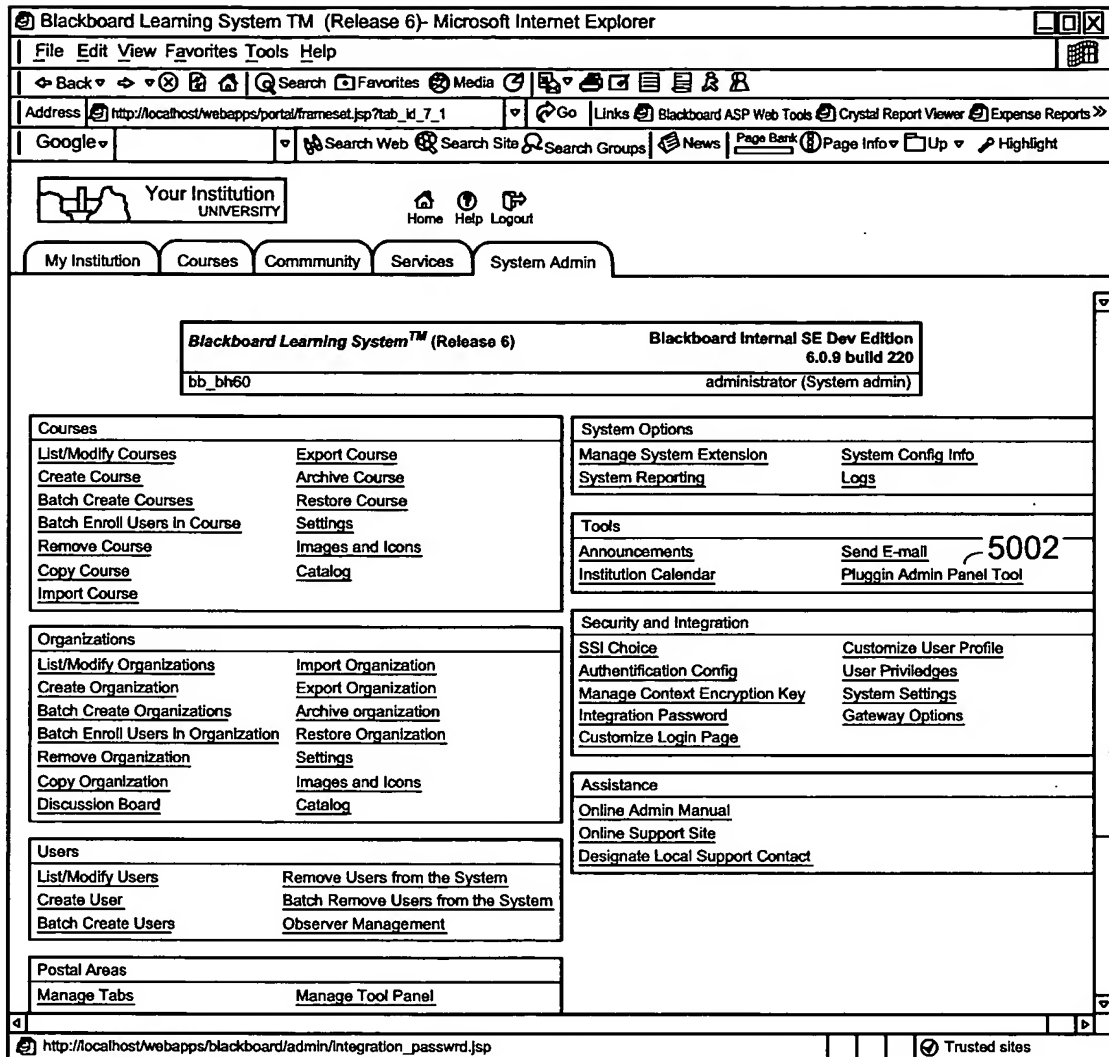


FIG. 49



5000

FIG. 50



Blackboard Learning System TM (Release 6)- Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Media Print

Address [http://localhost/webapps/portal/frameset.jsp?tab\\_id=\\_7\\_1](http://localhost/webapps/portal/frameset.jsp?tab_id=_7_1) Go Links Blackboard ASP Web Tools Crystal Report Viewer Expense Reports >>

Google Search Web Search Site Search Groups News Page Bank Page Info Up Highlight

**Your Institution UNIVERSITY** Home Help Logout

My Institution Courses Community Services System Admin

**ADMINISTRATION PANEL > MANAGE SYSTEM EXTENSIONS**

**Manage System Extensions**

Install Extension Download Extension

**Installed System Extensions**

Name	Vendor	Version	Status		
Astrology	<a href="#">Astrology.com</a>	1.0.1	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
CNNModules	<a href="#">CNN</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
GoogleModule	<a href="#">Google</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
HETemplateModules	<a href="#">Blackboard Inc.</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
Maps	<a href="#">Mapquest</a>	1.0.2	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
New York Times	<a href="#">New York Times</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
Time	<a href="#">Time</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
Travel	<a href="#">Expedia</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
WeatherModule	<a href="#">Weather.com</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
Zap2itModules	<a href="#">Zap2it</a>	1.0.0	Available	<a href="#">View Components</a>	<a href="#">Remove</a>
AOI WYIWYG Editor	<a href="#">AOI Systems</a>	2.5.8	Available	<a href="#">View Components</a>	<a href="#">Properties</a> <a href="#">Remove</a>
Blackboard Course creation Wizard	<a href="#">Blackboard Research and Development</a>	1.0.1	Available	<a href="#">View Components</a>	<a href="#">Properties</a> <a href="#">Remove</a>
Sample Plugin	<a href="#">Sample Plugin Vendor</a>	1.0.1	Inactive	<a href="#">View Components</a>	<a href="#">Remove</a>

5102

OK

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Trusted sites

5100

FIG. 51